



# PUTNAM COUNTY

Evacuation Plan  
Updated July 2014

# **PUTNAM COUNTY EVACUATION PLAN**

**UPDATED JULY 2014  
FOR THE JURISDICTION OF PUTNAM COUNTY, WEST VIRGINIA**

# PUTNAM COUNTY EVACUATION PLAN

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## PUTNAM COUNTY OFFICE OF EMERGENCY MANAGEMENT EVACUATION PLAN

<b>Related Federal ESFs</b>	<ul style="list-style-type: none"> <li>• ESF #1: Transportation</li> <li>• Mass Evacuation Incident Annex</li> </ul>
<b>Related State Annexes</b>	<ul style="list-style-type: none"> <li>• Annex E: Evacuation and Re-Entry</li> <li>• Annex Y: Urban to Rural Migration</li> </ul>
<b>Primary Agencies</b>	<ul style="list-style-type: none"> <li>• Potential Incident Commanders</li> <li>• Local Government</li> </ul>
<b>Support Agencies</b>	<ul style="list-style-type: none"> <li>• Putnam County Sheriff's Department</li> <li>• Putnam County Office of Emergency Management (PCOEM)</li> <li>• Local Law Enforcement</li> <li>• Putnam County Schools</li> <li>• WV Department of Transportation (WVDOT)</li> <li>• WV Division of Homeland Security and Emergency Management (WVDHSEM)</li> <li>• WV State Police (WVSP)</li> <li>• American Red Cross (ARC)</li> <li>• US Department of Transportation (USDOT)</li> </ul>
<b>Authorities</b>	<ul style="list-style-type: none"> <li>• WV Code, §15-5-6</li> <li>• WV Code, §15-5-8</li> <li>• Pets Evacuation and Transportation Standards Act of 2006</li> <li>• Post-Katrina Emergency Management Reform Act.</li> <li>• Americans with Disabilities Act of 1990.</li> <li>• 42 USC §§5121-5206: The Robert T. Stafford Disaster Relief and Emergency Assistance Act, PL 92-288, as amended.</li> <li>• 6 USC 317: The role of FEMA includes evacuating disaster victims.</li> <li>• 42 USC 960(23): Temporary housing and evacuation of threatened persons are to be included in the scope of hazardous substance removal.</li> </ul>
<b>References</b>	<ul style="list-style-type: none"> <li>• U.S. Census Bureau (n.d.) American Fact Finder. <a href="http://www.factfinder2.census.gov">www.factfinder2.census.gov</a>.</li> <li>• United States Department of Homeland Security. (2008). <i>National Incident Management System</i>, Washington, D.C.</li> <li>• United States Department of Homeland Security. (May, 2013). <i>National Response Framework</i>. Washington, D.C.</li> <li>• United States Department of Homeland Security. (November, 2010). <i>Comprehensive Preparedness Guide 101: Guide to Developing and Maintaining Emergency Operations Plans</i>. Washington, D.C.</li> <li>• Federal Emergency Management Agency. (2010). <i>CPG-101 Supplement: Household Pet and Service Animal Planning Checklist</i>, Washington, D.C.</li> <li>• Federal Emergency Management Agency. (2008). <i>Interim Emergency Management Planning Guidance for Special Needs Populations</i>, CPG 301. Washington, D.C.</li> <li>• West Virginia Division of Homeland Security. (2006). <i>West Virginia Emergency Operations Plan</i>. Charleston, WV.</li> </ul>

## **I. PURPOSE AND SCOPE**

### **A. Purpose**

This Plan was developed to help provide for a safe, orderly, and coordinated evacuation of the people of Putnam County outlining the county's capabilities to warn and implement, move evacuees, and care and shelter during an evacuation. The need to evacuate all or parts of Putnam County may arise because of a natural hazard, technological hazard, or other major incident. This plan includes provisions for a mass evacuation, partial evacuation, and site-specific evacuation outlining the county's capabilities to enable a safe and expedient response to the need.

### **B. Scope**

This plan serves an operational purpose. It outlines any pre-planned operational measures, such as the establishment of care and aid stations, possible routes of evacuation, methods of warning notification, and the roles and responsibilities of key departments during an evacuation. This plan does not provide or replace operational plans for specific departments or specific functions such as shelter management.

This plan is developed in conjunction with a planning committee consisting of personnel within the Putnam County Office of Emergency Management.

## II. SITUATION AND ASSUMPTIONS

### A. Situation

1. There are three types of evacuations that may occur in Putnam County.
  - a. **Mass Evacuation:** An evacuation is termed a “mass evacuation” when all of Putnam County needs to be evacuated due to a threat or when a nearby area (neighboring county, state, etc.) is completely evacuated and it is anticipated that that evacuating population will pass through or shelter in Putnam County.
  - b. **Partial Evacuation:** An evacuation is termed a “partial evacuation” when a portion of Putnam County should be evacuated to protect that segment of the population from an impending hazard.
  - c. **Site-Specific Evacuation:** A “site-specific evacuation” occurs when a specific area should be evacuated in direct response to a hazard event (e.g., when a small area is evacuated due to rising flood waters).
2. Primary responsibility for evacuation lies within the senior executive official of the political subdivision of the state that has an established emergency services organization and program, as enumerated in West Virginia Code, Chapter 15, Article 5, Section 8.
3. The Governor may also order the evacuation of a threatened area (WV Code §15-5-6).
4. It is possible that Putnam County may be called upon to act as a reception area for evacuees from another area.
5. **Hazard Analysis:** See Appendix 1

### B. Assumptions

1. The fundamental assumption for evacuation is that sufficient warning time will be available to evacuate the threatened population.
2. Shelter-in-place may be determined as a better solution in some types of emergencies, as mass evacuations have inherent risks unto themselves, especially involving medically frail evacuees. Decisions to either evacuate or shelter – in – place should be made based on the circumstances of an individual incident such as road conditions and

sheltering capacities.

3. The public should both receive and understand official information related to an evacuation.
4. Most citizens should act in their own interest and evacuate a dangerous area when advised to do so by authorities. Based on studies conducted around the country, up to 90% of evacuees will likely seek shelter with friends or relatives or use hotels outside of the hazard area, rather than seeking shelter in a public shelter. Provision should be made to shelter up to 10% of the affected population. (Natural Hazards Research and Applications Information Center, University of Colorado)
5. 80% of those needing to evacuate will self-evacuate in personal vehicles while the remaining 20% will need transportation assistance.
6. Information about pick-up points where evacuees without personal vehicles can obtain transportation; locations where evacuees can obtain fuel, water, medical aid, vehicle maintenance, information, and sanitary facilities; and care and aid stations, which will serve as holding points for resources during major evacuations will generally be disseminated to the public at the time of an emergency/disaster. Information on these topics will be given to the public through the methods listed in Appendix 5 of this plan.
7. The Central West Virginia Chapter of the American Red Cross (ARC) will be the primary agency responsible for sheltering in Putnam County.
8. Local capabilities may be needed to supplement ARC facilities, especially to accommodate those with special needs.
9. Depending on the size and location of an event, many of Putnam County's shelters may also be affected and not available.
10. Family pets are an important consideration when implementing evacuation orders.
11. Pets are not allowed within ARC controlled shelters.
12. Considerations for large animals should be made.

### III. CONCEPT OF OPERATIONS

- A. There are several factors that must be considered when planning for an evacuation. Among these are the characteristics of the hazard. Magnitude, intensity, speed of onset, and duration are also significant elements; they should determine the number of people to be evacuated and the time and distance of travel necessary to ensure safety.
- B. General
  1. When emergency events develop with little or no warning, evacuation may be implemented on an “ad hoc” basis. An on-scene Incident Commander(IC) will supply direct supervision with support coordinated through the county’s Emergency Operations Center (EOC), as needed.
  2. Types of Evacuations
    - a. Mass Evacuation
      - i. Mass evacuations are unlikely. The primary evacuation routes in and through Putnam County are I-64 and US Route (US) 60 in an east-west direction. West Virginia (WV) 34 and US 35 support movement in a north-south direction.
      - ii. Mass evacuations may be precautionary in nature but will usually only be implemented if the threat is imminent.
      - iii. Mass evacuations are most likely ordered by the Governor of West Virginia (or possibly the governor of another state) in coordination with the West Virginia Governor.
      - iv. Locally, mass evacuations will likely be under the direction of the Putnam County Commission and coordinated from the EOC.
      - v. The most probable scenario involves the “migration” or evacuation of residents from major metropolitan areas to “safe” areas in West Virginia or beyond.
      - vi. Mass evacuations are likely to be of long duration.
      - vii. Sheltering will most likely be necessary and significant if a population is relocated to Putnam County.
      - viii. Sheltering will likely not be necessary if a large portion of the population of Putnam County is ordered to evacuate.
      - ix. Due to limited resources, coordinating a mass evacuation in or through Putnam County may require significant external



assistance.

b. Partial Evacuation

i. Partial evacuations are likely to be more common than mass evacuations but not as common as site-specific evacuations. The following scenarios may force a partial evacuation.

- Flooding
- Severe winter weather
- Prolonged extreme temperature incidents
- Utility outages
- Fires
  - Wildfire
  - Urban
  - Urban – Wildland Interface

ii. Partial evacuations may be ordered by the Governor of West Virginia, the Putnam County Commission, a municipal council, or a combination of local governing bodies.

iii. Partial evacuations may be precautionary or immediate based on the resources available. Portions of the affected population may evacuate prior to the issuance of any evacuation order.

iv. Partial evacuations may be of short or long in duration.

v. Sheltering may or may not be necessary.

c. Site-Specific Evacuation

i. Site-specific evacuations are likely to be the most common type of evacuation. They are often quickly implemented and of short duration.

ii. The following situations may warrant a site-specific evacuation.

- Flooding
- Severe wind
- Utility outages
- Hazardous materials incidents
  - Fixed facility

- Transportation
  - Industrial incidents
  - Fires
    - Wildfire
    - Urban
    - Urban – Wildland Interface
- iii. These types of evacuations may be ordered by an Incident Commander (IC), the Putnam County Commission, or municipal council depending on the local of the affected area.
- vi. Site-specific evacuations may be precautionary or immediate. Portions of the affected population may evacuate prior to the issuance of any evacuation order.
- iv. Sheltering may or may not be necessary, depending on the situation.
3. Several additional factors should be taken into account when planning for evacuations such as the following:
- a. The speed of on-set, magnitude, duration, and intensity of the threat can determine the number of people who will need to be evacuated.
  - b. Road conditions, travel time, and travel distance to a safe location can determine the affected area determination.
  - c. The means of transport to be used and the vulnerability of the routes being affected by the hazard may create resource concerns.
  - d. The availability of sheltering and/or mass feeding facilities may create the need for external resources. Sheltering concerns are addressed in Appendix 2.
4. It is likely that Putnam County governing authorities will become involved in all evacuations that take place within Putnam County.
- a. Evacuations require an extensive array of resources to effectively implement to include a significant quantity of manpower. Municipalities are likely to request resource support from the county

thereby activating the Emergency Operations Center (EOC).

- b. While some evacuations could be completely contained within a municipality's boundaries, it is possible that the reception area or shelter(s) would be located in another jurisdiction (i.e., another municipality, county, or state), thereby triggering the activation of Putnam County's EOC.
- c. In most cases, affected populations are able to evacuate via automobiles. However, some do not own vehicles or are otherwise unable to drive themselves, requiring public transportation. Historically, local leaders have coordinated with the Putnam County Board of Education to obtain mass transit resources.

### C. Security and Coordination of an Evacuation

#### 1. Definition

- a. Security may be needed within an evacuated area to ensure that personal and public property is not disturbed while the area is evacuated.
- b. Security should also be ensured during an evacuation (i.e., traffic control, perimeter security, crowd control, etc.).

2. In general, during evacuations for which the Putnam County Commission is providing direction and control, security is provided by the Putnam County Sheriff's Office with assistance from the West Virginia State Police (WVSP).

3. If additional support is needed to provide security, resources may be requested according to the following hierarchy.

- a. Municipal Police Departments
  - i. Buffalo Police Department
  - ii. Eleanor Police Department
  - iii. Hurricane Police Department
  - iv. Nitro Police Department
  - v. Poca Police Department
  - vi. Winfield Police Department

- b. Law Enforcement Agencies in neighboring counties
  - c. Private sector security providers
4. Resource Support
- a. Law enforcement agencies maintain mutual aid agreements that may be needed to provide adequate security for an evacuation.
  - b. The West Virginia Division of Highways may be requested to assist in security by erecting barricades along roadways. Coordination with the Putnam County Emergency Operations Center (EOC) can serve as the liaison as needed.
- D. Evacuation Routes
1. In general, Putnam County has been divided into three evacuation areas. These areas can be utilized if a mass evacuation is necessary. (These routes provide a means for residents of Putnam County to evacuate or for residents of an affected area to efficiently “pass through” Putnam County while evacuating.)
    - a. Area 1 is comprised of the areas north of Interstate (I)-64 and east of the Kanawha River (estimated 2012 population: 17,281 [U.S. Census Bureau, 2012]).
    - b. Area 2 is comprised of the areas north of I-64 and west of the Kanawha River (estimated 2012 population: 10,864 [U.S. Census Bureau, 2012]).
    - c. Area 3 is comprised of the areas south of I-64 (estimated population: 27,515 [U.S. Census Bureau, 2012]).
    - d. The boundaries of these areas may be amended on an “ad hoc” basis at the time of an incident based on incident conditions. Such authority rests with the incident commander, Director of the Office of Emergency Management, or Putnam County Commission, depending on the size of the evacuation.
  2. The following evacuation routes provide a means for residents of Putnam County to evacuate or for residents of an affected area to “pass through” Putnam County while evacuating.

a. Primary Routes

i. Area 1

- WV 34
- WV 62

ii. Area 2

- I – 64
- US 35

iii. Area 3

- I – 64
- US 60

b. Suggested Secondary Routes

- Secondary routes, by nature, would be fully determined at the time an evacuation is ordered. The exact routes are contingent upon the areas to be evacuated as well as the hazard.
- Area 1:** County Route (CR) 10,14,11, and 21
- Area 2:** WV 34 and CR 19
- Area 3:** WV 34 and CR 39,50

3. See Appendix 2 for a map showing the primary evacuation routes.

E. Care and Aid Stations

- Care and aid stations may also be referred to as “staging areas”.
- Care and aid stations provide for the orderly evacuation of a population. If established at periodic locations along evacuation routes, evacuees can possibly obtain water, medical aid, vehicle maintenance, and other general information. Other services, such as fuel, sanitary facilities, rest areas, etc. may also be available.
  - Care and aid stations *may* be established at the following areas
  - Area 1:** Truck stop: WV 15 and WV 35; Fraziers Bottom
  - Area 2
    - Rest stop:** I-64 at mile marker 35 Eastbound; Hurricane,

- ii. **Rest Stop:** I-64 at mile marker 35 Westbound; Hurricane,
- iii. **Truck Stop:** WV 15 and WV 35; Fraziers Bottom,
- iv. **Truck Stop:** I-64 Exit 45 (WV 25); Nitro,
- v. **Truck Stop:** I-64 Exit 39 (4206 WV 34); Hurricane,
- vi. **Truck Stop:** I-64 Exit 39 (419 WV 34); Hurricane,
- vii. Winfield Courthouse Loop; Winfield, and
- viii. Army National Guard Center; Eleanor.

d. Area 3

- i. **Rest Stop:** I-64 at mile marker 35 Eastbound; Hurricane,
- ii. **Rest Stop:** I-64 at mile marker 35 Westbound; Hurricane,
- iii. **Truck Stop:** I-64 Exit 45 (WV 25); Nitro,
- iv. **Truck Stop:** I-64 Exit 39 (4206 WV 34); Hurricane,
- v. **Truck Stop:** I-64 Exit 39 (419 WV 34); Hurricane, and
- vi. Liberty Square Parking Lot; Teays Valley.

- 3. Other care and aid stations may be established as needed and as personnel are available to staff them.
- 4. The location of care and aid stations should be publicized via pre-established methods for disseminating public information. See Section V. below.
- 5. Staffing
  - a. Care and aid station staffing is composed from the same resources that are implementing the evacuation. As such, representatives from the following agencies may be tasked with staffing a care and aid station.
    - i. Fire departments
    - ii. Law enforcement
    - iii. Other volunteers, as available
  - b. Direction and Control for a Care and Aid Station
    - i. A single individual should be placed in “command” of a care and aid station.
    - ii. That individual should be responsible for determining the backup

personnel hierarchy.

iii. All other personnel working at the care and aid station should report to the individual in “command” of that station.

c. Care and aid stations are a component of the on-scene Incident Command System (ICS). They should serve under the Evacuation Group Leader (if activated), the Operations Section Chief, or the Incident Commander (IC).

F. Pick Up Routes

1. As listed within the assumptions, 20% of the population will need assistance with transportation to evacuate. The following numbers of people are estimated for each area.

- a. **Area 1:** 3,457,
- b. **Area 2:** 2,173, and
- c. **Area 3:** 5,503

2. The use of standard school buses can be used to transport these people based from the following areas totaling 74 busses in all.

- a. Buffalo area,
- b. Hurricane area,
- c. Poca area, and
- d. Winfield area.

3. For capacity size, a value of 40 can be used to determine the number of busses needed to evacuate each area. This number has been determined by using the estimated capacity for students in grades 9-12 at 48 and deducting for luggage ([www.schoolbusinfo.com](http://www.schoolbusinfo.com)).

4. Using the capacity of 40 per bus, the following number of busses would be needed to transport all expected people from each area in one trip:

- a. **Area 1:** 87 busses,
- b. **Area 2:** 55 busses, and
- c. **Area 3:** 138 busses.

5. Depending on the amount of event notice that exists, two trips is a viable option for each bus reducing the number of busses needed to the following:
  - a. **Area 1:** 44 busses,
  - b. **Area 2:** 28 busses, and
  - c. **Area 3:** 69 busses.
6. Priority should be given to busses that normally have routes within that area supplemented by busses from other areas.
7. The routes used should be the standard school bus routes with stops adjusted as determined by the EOC.
8. Notification of pick up points could be distributed through the warning and public information systems available (see Appendix 5).

#### G. Sheltering

1. Shelter facilities should be identified based on their capacity, suitability, and location.
2. A general shelter list has been compiled within Appendix 2 of this plan.
3. Specific shelters to which an evacuating population will be directed should be determined at the same time the decision to evacuate is made. As such, shelters should be opening as the evacuation order is being issued and ready to receive evacuees as they arrive.
4. Shelters are overseen by the American Red Cross (ARC) in Putnam County.
5. The ARC negotiates and maintains shelter agreements with potential facilities during pre-disaster periods. During emergencies, ARC personnel staff, operate, and manage the shelters.
6. Currently, 26 possible shelters have been identified throughout Putnam County.
7. Approximately 3,400 individuals could be sheltered if all current shelters are operating at full capacity.
  - a. Estimated 2012 population of Putnam County: 55,660 (U.S. Census Bureau)
  - b. Approximately 6.1% of Putnam County's population could be



sheltered at a given time during a mass evacuation situation.

#### H. Considerations for Special Needs Individuals

1. A comprehensive list of functional and asset needs individuals should be developed for Putnam County. This list should be updated regularly. It should contain a characterization of the need so that emergency managers can allocate proper resources to those individuals (as and if available). The Putnam County Office of Emergency Management (PCOEM) is generally responsible for ensuring that this list is compiled. PCOEM may use whatever resources are available (e.g., ARC, etc.) to compile the list.
2. Schools
  - a. Putnam County contains 23 school facilities (<http://putnam.schoolspan.com>, 2104).
  - b. The evacuation of a school is described in detail within the Putnam County School System's Crisis Response Plan.
3. Nursing Homes
  - a. There are 3 licensed nursing homes with approximately 250 beds in Putnam County. ([www.caring.com](http://www.caring.com))
  - b. The three nursing homes are all in Hurricane. They are as follows:
    - i. Putnam Care and Rehabilitation Center,
    - ii. Teays Valley Center, and
    - iii. Broadmore Senior Living at Teays Valley
      - Apartment style assisted living,
      - Memory care, and
      - Respite care.
  - c. Each facility should have a site specific evacuation plan.
  - d. Coordination between the IC or EOC and the facility administrator should occur to determine more exact needs.
4. Day Care Facilities
  - a. There are 11 licensed day care centers in Putnam County.

[www.daycarecenterssite.com](http://www.daycarecenterssite.com))

- b. Head Start
    - i. A.C.L.B. Head Start, Hurricane
    - ii. Appalachian Council Headstart – Hurricane, Hurricane
    - iii. CDI Head Start, Winfield
  
  - c. Care Services
    - i. Lighthouse Christian Academy, Hurricane
    - ii. Littlelife Preschool & Daycare, Hurricane
    - iii. Rock-A-Bye Baby Infant & Toddler Daycare, Hurricane
    - iv. Tiny Blessings Daycare Center, Hurricane
    - v. Almost Home Day Care Center, Scott Depot
    - vi. Teays Valley Child Development Center, Scott Depot
    - vii. YMCA, Scott Depot
  
  - d. **Adult Daycare:** Putnam County Adult Learning Center, Eleanor
  - e. Each facility should have a site specific evacuation plan.
  - f. Coordination should occur between the IC or EOC and the facility administrator.
5. Medical facilities
- a. Putnam County contains 1 hospital and 6 clinics.
  - b. CAMC Teays Valley, Hurricane
    - i. 70 bed facility
    - ii. 12 bed Emergency Room (ER)
    - iii. 8 bed intensive care unit (ICU)
    - iv. 4 operating rooms
    - v. <http://www.camc.org/TVH>
  
  - c. Family Healthcenter
    - i. Scott Depot
      - General Healthcare
      - Social Services
      - Nutritional Services

- Women's Health and Prenatal Care
  
- ii. Eleanor
  - General Healthcare
  - Women's Health and Prenatal Care
  
- iii. Teays Valley
  - General Healthcare
  - Women's Health and Prenatal Care
  - Social Services
  - Nutritional Services
  
- b. Valley Health
  - i. Hurricane
    - General Healthcare
    - Social Services
    - Nutritional Services
    - Women's Health and Prenatal Care
    - Psychiatry
    - Lab Services
  
  - ii. Valley Health – School-Based Health Services
    - Lakeside Elementary
    - Poca High
  
- c. Each facility should have an individual evacuation plan.
- d. Coordination between the facility administrator and the IC/EOC should occur.
  
- I. Deactivation and Recovery
  - 1. The implementation of recovery efforts would vary according to the nature of the specific emergency situation. Recovery operations should be implemented over whatever timeframe is appropriate.

2. Terminating Protective Actions
  - a. Protective actions may be terminated for a variety of reasons, including (but not limited to) the following.
    - i. The emergency condition has been resolved
    - ii. The need for future protective actions has been reduced
    - iii. The cost of maintaining protective actions becomes excessive and outweighs the anticipated benefit of maintaining the action
  - b. External resources may be available to assist in making the determination to terminate protective actions. Such resources may include facility representatives (if a fixed facility is involved in the incident), transportation representatives, sheltering officials, etc.
  - c. Previously identified methods for disseminating public information should be utilized for notification of the suspension of protective actions. See Section V. below and Appendix 5.
  - d. Emergency service providers working in the affected area *may* be able to spread the word that protective action requirements are being lifted.
3. Re-Entry
  - a. Re-entry should only be allowed after protective actions have been terminated and it is deemed that the affected area is no longer susceptible to the hazard.
  - b. On-scene emergency services personnel should ensure that no one re-enters an affected area until the evacuation order has been lifted.
  - c. Those issuing the evacuation order are responsible for notifying on-scene resources when the order is lifted and re-entry can begin.
  - d. Previously identified methods for disseminating public information should be utilized for notification of an allowable re-entry.
4. Decontamination may be necessary prior to re-entry.

J. Core Capabilities

Core Capability	Description
Infrastructure Systems	<ul style="list-style-type: none"> <li>• Describes how to minimize infrastructure threats to Putnam County, to support survivors in the heavily-damaged area(s), nearby communities, mass care support facilities, and evacuation care and aid stations</li> <li>• Re-establish critical infrastructure within the affected area(s) to support emergency response operations.</li> </ul>
Operational Coordination	<ul style="list-style-type: none"> <li>• Identifies that an incident command system as the preferred structure for Putnam County</li> <li>• Describes communications methods to be used by Putnam County EOC and its partners in response.</li> <li>• Describes the preferred routes of evacuation to maximize the security, safety, and expediency for the affected population over a geographically dispersed area.</li> </ul>
Public and Private Services and Resources	<ul style="list-style-type: none"> <li>• Describes the interaction between Putnam County governmental services and private entities to support evacuation and mass care situations.</li> <li>• Designate areas to establish aid and care stations</li> <li>• Describe methods provide critical transportation to move individuals who may be considered at-risk to include those with access and functional needs.</li> <li>• Describes the establishment of emergency shelters and other temporary housing options for the affected population.</li> </ul>
Public Information and Warning	<ul style="list-style-type: none"> <li>• Describes methods in which Putnam County can notify and warn visitors and residents to emergency situations that require either evacuation or sheltering.</li> </ul>

#### **IV. DIRECTION, CONTROL, AND COORDINATION**

- A. For mass evacuations, direction and control rests with the Putnam County Commission, who should coordinate extensively with other affected governmental jurisdictions (including the state).
- B. For partial evacuations that are completely contained within the boundaries of a municipality, the municipal council should maintain direction and control. If, for safety reasons, a partial evacuation should enter another jurisdiction, coordination between Putnam County EOC and the receiving county EOC should occur.
- C. Site-specific evacuations are under the direction and control of the chief elected official of the jurisdiction in which the affected area is located.
- D. If an on-scene incident commander orders a localized evacuation based on rapidly escalating incident conditions, that individual should maintain direction and control from the scene. He/she should coordinate to the extent possible with the chief elected official of the applicable jurisdiction.
- E. In general, law enforcement personnel should be responsible for implementing and coordinating an evacuation order. Law enforcement personnel would ultimately serve at the direction of the on-scene incident commander and work with other field resources as necessary. During circumstances where the evacuation is coordinated from the emergency operations center, law enforcement should work extensively with operations center staff.

## V. INFORMATION COLLECTION, ANALYSIS, AND DISSEMINATION

### A. Notification and Warning

1. The general public should be notified of an evacuation order via normal emergency public information methods.
2. Residents in the affected area may be notified additionally by emergency response personnel going door-to-door or traveling through neighborhoods with public address systems. This type of notification is typically done during site-specific or partial evacuations.
3. Evacuation instructions should be based on known or assumed health risks associated with the hazard.

### B. Emergency Public Information (EPI) should be released by the Putnam County Public Information Officer (PIO) from the Putnam County Emergency Operations Center (EOC) or Joint Information Center (JIC).

### C. The JIC and the EOC should coordinate the release of EPI so that the agency providing direction and control can have the opportunity to review informational materials and media releases prior to their distribution.

### D. EPI regarding an evacuation should include the following.

1. The area to be evacuated
2. An estimated duration for the evacuation
3. Transportation and travel directions
4. The location of care/aid stations and shelter facilities
5. Other information as needed. For example:
  - a. Items people should take with them
  - b. Instructions for pet care
  - c. Instructions regarding prescription medications
  - d. Reminders to turn off lights and other utilities

### E. During non-emergency periods, the PIO should distribute public education materials regarding evacuation routes and procedures to the extent possible. The county PIO should concurrently review the means in which evacuation orders are delivered and note any revisions to the delivery process that may be needed.

## VI. COMMUNICATIONS

### A. Notification and Warning

1. Emergency response resources on-scene should be notified by the Incident Commander (IC) if an evacuation is ordered. The implementation of the evacuation may be a major component of the on-scene Incident Action Plan (IAP). As a result, field resources should be deployed and tasked as such.
2. If external resources are needed to assist in the implementation of the evacuation, the normal radio communications system can be used to dispatch resources. Regular agency “call-down” trees should be utilized by dispatchers.

### B. Operational Communications

1. Communications between local response agencies should be through routine radio protocols.
2. Communications with External Resources
  - a. The statewide interoperable radio system (SIRN) was developed to provide a common communications capability throughout West Virginia.
  - b. The SIRN system should be used to the maximum extent possible if external resources arrive to assist in an evacuation.
  - c. If an external resource does not have the capability to communicate on the SIRN system, the head of that resource should communicate with his/her personnel as per usual equipment and protocols.
    - i. All external resources maintain direction and control over their own personnel. They serve at the direction of a group or team leader.
    - ii. If possible, the group or team leader is responsible for ensuring that all resources under his/her control have a means of communicating with other team members.
3. Additional Communications Resources
  - a. Amateur radio operators serve as the primary backup to initial communication resources.



- b. Cellular telephones can serve as needed as a backup communication method.
- 
- 4. Communications guidelines are outlined generally in the communications annex of the *Kanawha Putnam Emergency Management Plan*.

## VII. ORGANIZATION AND ASSIGNMENT OF RESPONSIBILITIES

- A. **Organization:** See Section III: Concept of Operations and Section IV: Direction, Control, and Coordination above.
- B. Assignment of Responsibilities
  - 1. Primary Agencies
    - a. Incident Commander
      - i. Determine the need for public protective actions, including evacuation, at the scene.
      - ii. If an evacuation is warranted, coordinate with the jurisdiction's chief elected official to order the evacuation.
      - iii. If the chief elected official cannot be reached, direct law enforcement personnel at the scene to conduct the evacuation.
    - b. Local Government
      - i. Issue evacuation order (or approve evacuation order recommendations from field personnel).
      - ii. Develop in-depth evacuation plans.
      - iii. Coordinate evacuation efforts.
      - iv. Coordinate relocation into other jurisdictions, if necessary.
      - v. Designate county and/or municipal personnel (e.g., maintenance, public works) to assist law enforcement in conducting the evacuation.
      - vi. Maintain timely and accurate public information through the public information officer.
  - 2. Support Agencies
    - a. Local Law Enforcement
      - i. Coordinate the on-scene components of the evacuation in coordination with jurisdiction officials.
      - ii. Coordinate, with other on-scene emergency services personnel, the notification of individuals to be evacuated.
      - iii. Ensure the orderly flow of evacuees from the affected area.
      - iv. Maintain law and order.
      - v. Provide security for the evacuated area (including perimeter and

- traffic control).
  - vi. Provide liaison to the emergency operations center for coordination of efforts.
  - vii. Assist in the determination of when the area is safe for the return of evacuees.
- b. Local Fire Service Providers
- i. Maintain fire security in evacuated areas.
  - ii. Assist in the notification of individuals to be evacuated.
  - iii. Assist in ensuring the orderly flow of evacuees from the affected area.
  - iv. Provide search and rescue services for lost individuals.
  - v. Assist those unable to evacuate independently.
  - vi. Provide liaison to the emergency operations center for coordination of efforts.
  - vii. Assist in the determination of when the area is safe for the return of evacuees.
  - viii. Assist in recovery operations.
- c. Putnam County Office Of Emergency Management
- i. Activate the emergency operations center during all evacuation situations to provide support.
  - ii. Coordinate evacuation efforts, if delegated the responsibility by the Putnam County Commission.
  - iii. Coordinate resource requests and recovery efforts with on-scene personnel.
  - iv. Coordinate public information efforts with the public information officer.
  - v. Assist in the staffing of care and aid stations (by delegating staff, volunteers, etc.).
- d. Putnam County School District
- i. Ensure the safety of students during an evacuation.
  - ii. Provide buses and drivers for evacuation, if necessary and

- available.
- iii. Assist the American Red Cross in establishing disaster shelters and support facilities, if needed.
  
- e. **West Virginia Division of Homeland Security and Emergency Management:** Coordinates the resources of state agencies through the state emergency operations center if requested by the jurisdiction operations center.
- f. West Virginia Division of Highways
  - i. Provides personnel and equipment resources, if needed and requested.
  - ii. Assists in the maintenance of the transportation infrastructure.
  - iii. Assists in the provision of security by erecting barricades along roadways (at the request of field response personnel and upon approval by state authority).
  
- g. United States Department of Transportation
  - i. Provides transportation resources as requested by the state and directed by Emergency Support Function #1 (from the *National Response Framework*).
  - ii. Assists in the maintenance of the transportation infrastructure.

## VIII. ADMINISTRATION, FINANCE, AND LOGISTICS

### A. Administration

1. The Office of Emergency Management Director, in coordination with the Putnam County Commission and other pertinent agencies, develops and maintains applicable agreements with such agencies as the Division of Highways (DOH), West Virginia State Police (WVSP), American Red Cross (ARC), etc. to ensure that an evacuation proceeds as smoothly as possible. Such agreements include (but are not limited to) the following.
  - a. Communications protocols
  - b. Guidelines for opening and using shelters
  - c. Guidelines for temporarily closing or rerouting roadways
  - d. Guidelines ensuring the timely release of public information
2. Evacuees should receive instructional materials showing evacuated areas, routes, parking facilities, shelters, and support facilities (with food service and medical assistance) at staging areas.

### B. Finance

1. Required reports should be submitted to the appropriate authorities in accordance with individual annexes.
2. Each participating department/agency is required to submit an after-action report to the Putnam County Office of Emergency Management within 10 days after the termination of emergency response activities. Records of expenditures and obligations in emergency operations must be maintained by local governments and agencies employing their own bookkeeping procedures (including personnel overtime, equipment used, contracts initiated, etc.). Emphasis must be placed on meeting applicable audit requirements.
  - a. **Resource Procurement Actions before a Declaration of Local “State of Emergency”:** Every effort should be made to meet requirements with local government resources. Local government officials should be contacted without regard to normal business hours to assist in obtaining those necessary items that are not readily available in the stocks of committed local governments. Unless

specifically authorized by the appropriate municipal/county official, normal procurement guidelines should prevail.

b. **Resource Procurement Actions after a Declaration of Local “State of Emergency”**: Coordination through EOC should occur.

3. Various programs, such as the Federal Emergency Management Agency’s Public Assistance and Individual Assistance programs, loans/grants through the Small Business Administration, etc. may be available to recover disaster-related costs.

C. Logistics

1. The emergency operations center should be activated to assist in the coordination of and provide support to an evacuation under the direction and control of the Director of the Office of Emergency Management.
2. Transportation for essential workers to and from risk areas should be provided by their respective organizations. If additional transports be needed, requests should be made through the on-scene incident commander to the activated emergency operations center.
3. State and Federal Support
  - a. State
    - i. The state emergency operations center may be activated and coordinate activities statewide if the evacuation impacts a significant portion of the state’s population or geography. In this scenario, the state emergency operations center functions as a multi-agency coordination system with the local unified command elements functioning as the incident commanders.
    - ii. During mass migrations from urban areas to rural areas, the state can assist in monitoring and should receive resource requests for localities from the EOC.
  - b. Federal
    - i. Federal support may be available for the movement of resources and transportation equipment needs through Emergency Support Function #1 of the *National Response Framework*.

- ii. Emergency Support Function #1 personnel may also assist with the restoration of the transportation infrastructure during or following hazard events.
- iii. The Mass Evacuation Incident Annex of the *National Response Framework* outlines the steps which federal resources coordinate the many federal assets that may respond to a mass evacuation.
- iv. Federal assets are accessed through state authorities. Local officials request state assistance through the Putnam County emergency operations center to the West Virginia Division of Homeland Security and Emergency Management (WVDHSEM) in the state emergency operations center. WVDHSEM personnel distribute requests, as necessary.

**IX. PLAN DEVELOPMENT AND MAINTENANCE**

- A. The Director of the Office of Emergency Management should ensure the maintenance and improvement of this plan.
- B. The plan should be reviewed, updated, and modified as necessary, but not less than annually.



**X. LIST OF APPENDICES**

Appendix 1: Risk and Vulnerability Information

Appendix 2: Evacuation Area Profiles

Appendix 3: Sample Declaration of Emergency and Evacuation Order

Appendix 4: Evacuation Actions and Tasks

Appendix 5: Warning and Public Information Systems

Appendix 6: Specific Hazards

Appendix 7: Glossary

## PUTNAM COUNTY EVACUATION PLAN

### APPENDIX 1: RISK AND VULNERABILITY INFORMATION

The purpose of this appendix is to provide risk and vulnerability details. This document estimates potentially-threatened populations, potentially-affected critical facilities, and other hazard-specific information that could affect the implementation of an evacuation. Numerous documents were consulted to compile this appendix, including:

- *Putnam County All Hazard Mitigation Plan*, September 2008;
- *B-C-K-P Regional Intergovernmental Council All-Hazard Mitigation Plan*, 2008;
- *Kanawha-Putnam Emergency Planning Committee Commodity Flow Study*, 2008;
- Kanawha-Putnam Emergency Planning Committee's *2008 Hazard Vulnerability Survey*, and
- *Kanawha-Putnam Emergency Planning Committee Vulnerability Analysis*, 2009.

#### I. HAZARDOUS MATERIALS – ROADWAY

In general, a hazardous material incident is the most probable incident to necessitate an evacuation in Putnam County. Further, the US Department of Transportation (USDOT) indicates that the majority of transportation-based hazardous material incidents occur along roadways. Putnam County does contain a robust transportation network with numerous major thoroughfares that traverse the majority of the county. Such roadways include Interstate 64 and US 60 flowing east and west and WV 34 and 35 in a north-south direction. Other arterial routes, such as WV 25 flow into more populated areas.

The Kanawha-Putnam Emergency Planning Committee's (KPEPC's) commodity flow study indicates that hazardous materials from all nine USDOT hazard classes are transported through Putnam County. The most frequently-transported class is that of flammable liquids (such as gasoline and diesel fuel). Corrosives and gases are also frequently transported. Often, flammable liquids would not cause a major evacuation unless a blast hazard is present. The effects of such spills are largely environmental. Other hazard classes, including corrosives and gases, may necessitate significant evacuation and/or shelter-in-place efforts. Such corrosives as chlorine and sulfur dioxide, both of which were observed during the 2008 flow study, could form plumes and cover a vast area. Gases such as propane, while not intuitively considered abnormally hazardous, could result in a significant explosion, again necessitating an evacuation.

The commodity flow study focused on major arterial routes. The range of trucks carrying hazardous materials was vast, with as little as 3.7% of the total truck traffic through a site carrying hazardous materials to as much as 10.1% at the intersection of WV 25 and I-64 west at Nitro (exit 45). In most cases, an evacuation of areas within 800 feet of the spill would be sufficient. Some materials, though, could necessitate an evacuation of up to a quarter mile (1,320 feet). These distance estimates are based on the assumption that quantities per shipment would be restricted due to the size of trucks and containers.

Additionally, Interstate 64 and US 60 run east-west through the most densely-populated portions of Putnam County, taking passengers through Nitro, Scott Depot, Teays, and Hurricane. Areas along these routes near these cities and towns can become heavily congested and contain numerous busy interchanges.

The KPEPC's most recent vulnerability analysis (completed in 2009) analyzed risk and vulnerability at some of the most congested sites along I-64 and US 35. The following areas were analyzed:

- WV 62,
- Intersection of US 35 and WV 34,
- WV 817 (US 35 South),
- I-64 Nitro, at Exit 45, and
- I-64 Crooked Creek, at Exit 43

The average initial isolation distance, based on USDOT guidance and the materials monitored at these sites, is 330 feet. Residential populations in the hazard zones range from as little as 20 to as many as 950 persons. Daytime (i.e., transient) populations in many of these areas could significantly increase those numbers.

### **Evacuation Areas Affected by Roadway Hazmat Incidents**

All three areas identified by this plan could be affected by a roadway hazmat incident. These incidents, however, are *not* likely to necessitate an evacuation of any one *entire* area. It is more likely that site-specific evacuations will occur to be led by an on-scene incident commander.

### **Level of Evacuation Anticipated**

- Medium-Level, Partial Evacuation (based on the number of people) in areas between Nitro and Hurricane

- Low-Level, Localized in areas outside of the Nitro-Hurricane corridor

## II. HAZARDOUS MATERIALS – RAIL

Two railways serve the businesses of Putnam County. CSX runs along the south side of the Kanawha River and Norfolk Southern runs along the north side. Both railways indicated that they ship hazardous materials in the KPEPC's 2008 commodity flow study. Railway incidents are less probable than roadway incidents, but they can be associated with a much higher risk. For instance, numerous types of materials – some that may react violently with each other – can be carried on different cars within the same train. All of these cars could be affected by a single incident. Further, larger quantities can be shipped via rail.

Both railways reported a number of materials from various USDOT hazard classes. Both carried such Extremely Hazardous Substances (EHSs) as chlorine and sulfuric acid. As with all hazardous material incidents, a more appropriate response may be shelter-in-place. If an evacuation is chosen, however, average isolation distances would range vastly depending on material quantities and environmental conditions.

### Evacuation Areas Affected by Rail Hazmat Incidents

All areas are affected by rail hazmat incidents. Being that the rail systems intersect near Nitro (See Appendix 2: Evacuation Area Profiles), Nitro has the highest susceptibility for an incident happening.

### Level of Evacuation Anticipated

Low-Level, Site Specific to Medium-Level, Partial Evacuation

## III. HAZARDOUS MATERIALS – FIXED FACILITY

The fixed facilities in Putnam County that are of most interest are the John E. Amos Plant belonging to Appalachian Electric Power on WV 817 near Winfield and the Toyota Motor Manufacturing West Virginia, Inc. in Buffalo (see Appendix 6: Specific Hazards for more information). The John E. Amos Plant largely has coal and flammable liquids thereby making a large explosion a possibility. With a diverse listing of hazardous materials to include Extremely Hazardous Substances (EHSs) chlorine and sulfuric acid at the Buffalo facility though, large material releases coupled with moderate to high winds could place as many as 1,500 people in danger in Buffalo. Either of these evacuations would place a significant strain on local resources.

### **Evacuation Areas Affected by Fixed Facility Hazmat Incidents**

1. The John E. Amos Plant located near Winfield would affect areas 1 and 2 due to being in proximity of the Kanawha River, the dividing line between these two areas.
2. The Toyota Motor Manufacturing West Virginia, Inc. plant would affect areas 1 and 2, with the locations most affected being Buffalo and Pliny which is across the Kanawha River from Buffalo.

### **Level of Evacuation Anticipated**

Medium-Level, Partial Evacuation for both locations

## **IV. LOCALIZED FLOODING**

Flooding comes primarily in two forms: flash flooding and river flooding. Both types have the ability to cause an evacuation. The duration of the evacuation, though, would be contingent on the type of flooding experienced. For example, flash flooding may only require an evacuation of a few hours, but the warning system would be significantly strained given the quick onset nature of flash flooding. More extensive river flooding could necessitate evacuations of a week or longer. While these events typically occur with ample warning time, sheltering becomes a major challenge.

Areas that could require evacuation for river floods can be fairly easy to determine; use homes in the 100-year floodplain for a planning estimate. According to Flood Insurance Rate Maps (FIRMs), low-lying areas along the Kanawha River are in floodplains. Estimates provided by the Hazus program (distributed by FEMA) indicate that approximately 2,070 buildings would be at least moderately damaged by a 100-year flood. Over 2,750 households could be displaced, necessitating an evacuation (albeit gradual) and approximately 6,370 people seeking temporary shelter in public shelters. The 100-year flood hazard has 1% chance of occurring in any given year. A more probable event would be the 10-year flood, which has a 10% chance of occurring in a given year. During that scenario, approximately 1,500 buildings could be affected and 2,300 people displaced.

Instances of flash flooding as well as areas affected by flash flooding are slightly more difficult to predict. With 25 properties listed as “repetitive losses” within Putnam County, many of them near the I-64 corridor, the likelihood that they are labeled as such due to flash flood damages increases.

### **Evacuation Areas Affected by Flooding**

All three areas identified by this plan could be affected by either type of flooding. Flooding, however, is not likely to necessitate an evacuation of any one entire area, thereby creating partial evacuation scenarios.

### **Level of Evacuation Anticipated (Flash Flooding)**

Low-Level, Site-specific (although there may be multiple instances of site specific evacuations)

### **Level of Evacuation Anticipated (River Flooding)**

Low-Level, Site-specific to Medium-Level, Partial Evacuation

## **V. FIRES (URBAN OR WILDLAND)**

Fires, both urban and wildland, are unlikely to cause large-scale evacuations. The risk, however, does exist for low-level, site-specific evacuations at urban-wildland interfaces. Predicting the location of fires, though, is difficult requiring the need to take fuel sources, wind, dryness, elevation, terrain, breaks, etc. into account. Providing adequate warning to affected populations would likely prove to be the biggest challenge.

### **Evacuation Areas Affected by Fires**

All three areas identified by this plan could be affected by a large fire. Fires, however, are not likely to necessitate an evacuation of any one *entire* area.

### **Level of Evacuation Anticipated**

Low-Level, Localized to Medium, Partial Evacuation

## **VI. DAM FAILURE**

Dam failures are sometimes considered under the flooding hazard since the ultimate effects of a failure are floods. Given the potential magnitude of additional water that could pass through the area as a result of dam failure, however, such failures are considered hazards unto themselves.

Within Putnam County, 14 dams have been classified as either significant or high hazard dams with 9 of the 14 classified as high hazard (B-C-K-P Regional Intergovernmental Council All-Hazards Mitigation Plan, 2008). High hazard dams have the potential of human life loss

while significant hazard dams have the potential to cause economic loss and environmental damage or disruption of lifeline facilities but no loss of human life.

A failure of the US Army Corps of Engineers' (USACE's) Bluestone Dam in Hinton could also impact Putnam County. The Bluestone facility dams the New River, providing recreational opportunities in Summers County and flood control for the Kanawha Valley. The Bluestone Dam is a large facility. A catastrophic failure of that dam may significantly impact communities along the New River, which is a tributary to the Kanawha River. Communities along the Kanawha River may be affected. According to time estimates used for the Bluestone Dam Functional Exercise dated June 16, 2012, Nitro would reach flood stage in approximately 33 hours, Eleanor in 36 hours and Buffalo in 37 hours. Peak flood time would be in approximate 41 hours, 46 hours and 47 hours respectfully. A notification that conditions are in place for failure could be given between 24 and 48 hours before actual failure occurs. This is the available lead time.

Failure at deficient dams, defined in the B-C-K-P Regional Intergovernmental Council All-Hazard Mitigation Plan (2008) as a structure that exhibits one or more design or maintenance problems that may affect the performance of the dam, within Putnam County could be detrimental as well. The Lake Washington Dam near Hurricane and the Hurricane Watershed Dam near Winfield are classified as deficient dams (B-C-K-P Regional Intergovernmental Council All-Hazards Mitigation Plan, 2008).

**Level of Evacuation Anticipated (Small Impoundment):**

Low-Level, site-specific

**Level of Evacuation Anticipated (Significant and High Hazard):**

Medium-Level, Partial Evacuation to High-Level, Mass Evacuation

**VII. DROUGHT**

Droughts are extended periods of dry weather that can cause serious problems to crops and water supplies. The severity of a drought depends upon the duration, how much of a moisture deficiency exists, and the size of the affected area. From January 1, 1996 to December 31, 2013, there have been 14 reported droughts in Putnam County (<http://www.ncdc.noaa.gov/stormevents/>). None of these events reported any human casualties or crop damages. To necessitate an evacuation of any size, the assumption is that there is a need to save lives. Based on past events, site specific evacuations are the most likely

possibility. As a supplementary problem with droughts though, wildfires could occur. See Section V. above for evacuations from wildfires.

### **VIII. EARTHQUAKE**

An earthquake is a sudden rapid shaking of the Earth caused by the breaking and shifting of rock beneath the surface. As determined by the United States Geologic Survey (USGS), Putnam County is within the 6-8% peak acceleration area. At this rate, earthquakes might be noticed, but damage would be negligible, possibly leaving cracked plaster or broken dishes. At this level, evacuation would most likely not need to occur. If evacuation would need to occur, it would most likely be a site specific evacuation due to structural instability often associated with abandoned buildings.

### **IX. LANDSLIDE/LAND SUBSIDENCE**

A landslide is described by the downward and outward movement of materials reacting under the force of gravity. Land subsidence is the change in the elevation of a surface due to underground changes in soil structures. While both can cause the need for an evacuation, both would most likely cause only a site specific evacuation. Possible situations that could cause either a landslide or land subsidence are an abandoned mine collapsing under a structure or an area's cohesion becomes weak from over forestation. Even in such a catastrophic event as the mudslide that occurred on March 23, 2014 in rural Washington (<http://www.cbsnews.com/news/deadly-massive-mudslide-in-rural-washington-state/>), the event was site specific.

### **X. SEVERE THUNDERSTORMS / LIGHTNING / HAILSTORMS / WINTER / HIGH WINDS / TORNADO**

Severe storms occur in many forms such as thunderstorms, hailstorms, high winds, lightning, winter, and tornados. Often, these forms are found together, lightning occurring with a thunderstorm, high straight force winds leading to a tornado (a rotating funnel-shaped cloud with winds reaching 300 mph), or hailstorms intermixing with a thunderstorm. Due to the range of severity and the lack of warning time often associated with these events, evacuation is often not going to occur as a pre-disaster occurrence. After an event happens though, it would most likely be a site specific event due to power outages or structural damages. As listed in the National Climatic Data Center (NCDC), Putnam County has seen three tornados between January 1, 1996 and December 31, 2013 (<http://www.ncdc.noaa.gov/stormevents/>). The most



devastating reported event occurred in 1999 with one house being significantly damaged from an F1 tornado.

## **XI. URBAN TO RURAL EVACUATION**

An “Urban to Rural” (U2R) evacuation implies the mass evacuation of a population from an urban area to a more rural area in response to a large-scale disaster. In West Virginia, the majority of U2R planning has centered on the scenario of an evacuation of the National Capital Region (NCR), i.e., Baltimore and Washington, D.C. Other urban areas, such as Richmond, Virginia; Cincinnati, Ohio; Columbus, Ohio; Lexington, Kentucky; and Louisville, Kentucky could also have an effect on resources in West Virginia. These scenarios would likely result in a strain on sheltering resources in Putnam County rather than necessitating an evacuation of local populations.

## PUTNAM COUNTY EVACUATION PLAN

### APPENDIX 2: EVACUATION AREA PROFILES

This appendix contains profiles of the three evacuation areas in which Putnam County has been divided. Each profile contains the following:

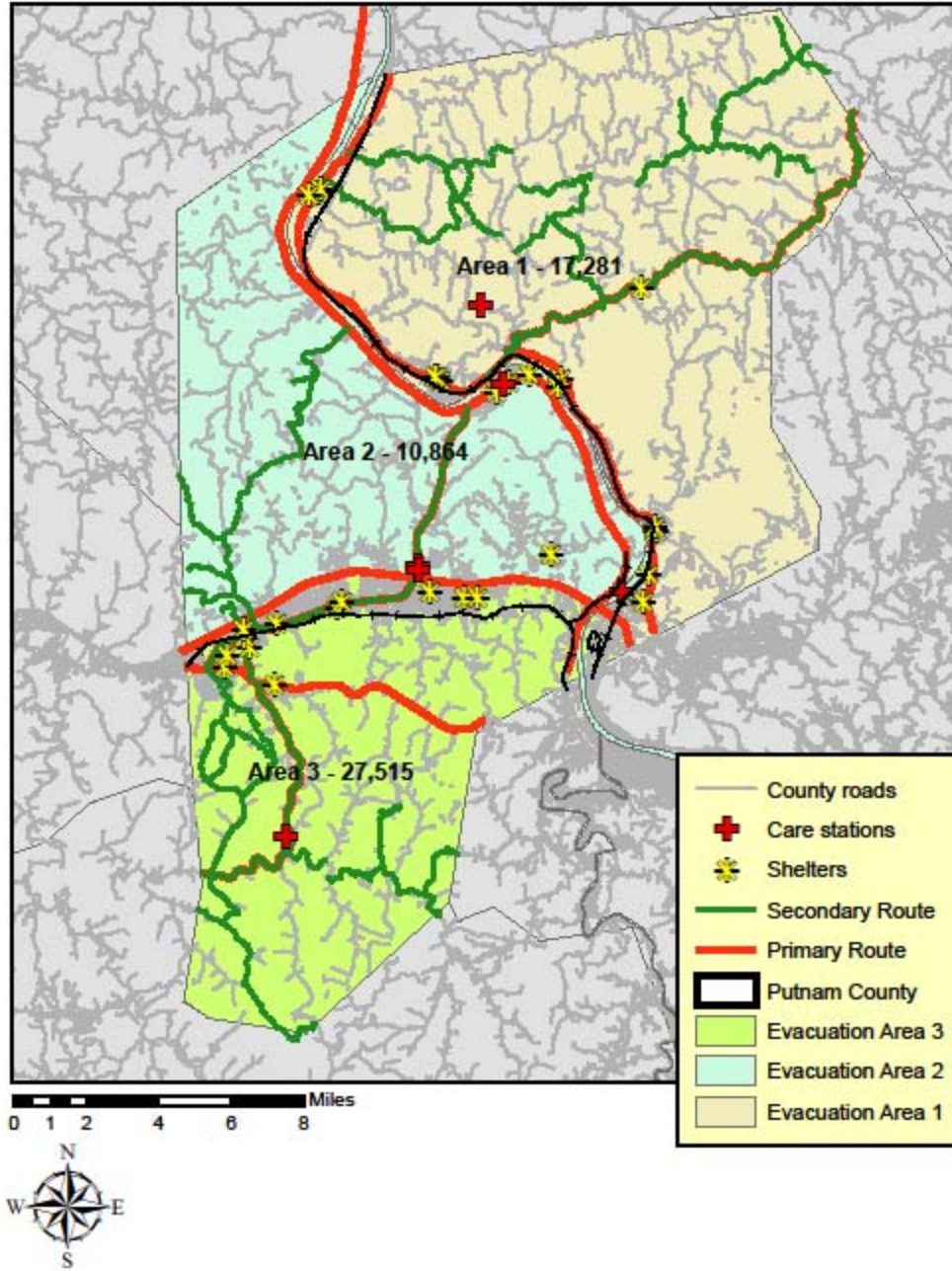
- A list of primary, secondary, and feeder evacuation routes,
- Estimated population data,
- List of critical facilities in the area,
- List of potential shelter facilities in the area,
- Estimates of roadway capacities and times necessary to evacuate the area, and
- Map of evacuation area.

The following abbreviations have been used within these profiles:

- CR      County Route
- ES      Elementary School
- HS      High School
- MS      Middle School
- WV      West Virginia State Route

To introduce all the profile areas, Figure 2.1 is a map covering all evacuation areas.

Figure 2.1 PUTNAM COUNTY EVACUATION AREAS



## PUTNAM COUNTY EVACUATION PLAN

### APPENDIX 2: EVACUATION AREA PROFILES

#### PROFILE – AREA 1

Putnam Area 1 is comprised of the areas north of Interstate 64 and east of the Kanawha River.

This area contains the following zip codes:

- 25033
- 25123
- 25124
- 25143
- 25159
- 25168
- 25245

The area is served by the following Fire Departments:

- Bancroft Volunteer Fire Department (VFD) in Bancroft, WV
- Poca Community VFD in Poca, WV
- Route 34 VFD in Red House, WV

Area 1 contains the towns of Bancroft, Buffalo, Eleanor, Poca, and the census-designated place (CDP) of Hometown all along State Route (WV) 62. CDPs, while not incorporated, are a concentration of population identified by the United States Census Bureau for statistical purposes ([http://en.wikipedia.org/wiki/Census-designated\\_place](http://en.wikipedia.org/wiki/Census-designated_place)). In addition to these towns, Area 1 contains a wide expanse of small unincorporated communities to include but not be limited to Black Betsy, Confidence, Lanham, Liberty, Midway, Raymond City, and Red House. Again, these communities have, for the majority, formed around WV 62. The exceptions are Confidence and Liberty on WV 34 and Lanham near County Route (CR) 31. The 2012 United States Census Bureau population estimate for Area 1 is 17,281. With only 4,983 people (U.S. Census Bureau, American Factfinder) within the incorporated and CDP areas, a large portion (71.2%) of Area 1's population is within the unincorporated areas thereby requiring the use of smaller, 2 lane roads for evacuation.

The primary evacuation routes are WV 34 and WV 62. Many of the incorporated areas lie on these routes thereby making them the most accessible. WV 62 allows for a north-south evacuation along the Kanawha River. If an emergency is to the south, movement into Mason County to the north is recommended and, if necessary, into Ohio. If the emergency is from the north, a flow to the south would be recommended toward St. Albans and South Charleston in

Kanawha County or Hamlin in Lincoln County. WV 34 allows for an east-west flow and enters many of the smaller population density locations. WV 34 can either lead to WV 62 by heading west or into Jackson County to the east. Being that a large portion of the population should require the use of smaller routes, CR 10, 14, 11, and 21 lead into the larger evacuation routes of WV 34 and 62. CR 7 could be used to travel south out of Putnam County into Kanawha County. Figure 2.5 shows these possible routes for Area 1. Table 2.2 shows the estimated evacuation times with determined roadway capacities which follow the formulas put forth in Attachment 1 to this appendix. Table 2.3 lists possible shelter facilities in the area and Table 2.4 lists critical facilities within Area 1. For planning purposes, times were calculated by first assuming that the total population for Area 1 will be evacuating. Secondly, the number of vehicles will have 3 persons per vehicle. Finally, the estimated time is calculated by dividing the number of vehicles by the capacity/hr.

Estimated Roadway Capacities and Times for Evacuation					
Route	Primary/Secondary	Base Speed	Terrain	Capacity/hr	Estimated Time
WV 34	Primary	62 mph	Rolling	1,961	2.94 hours
WV 62	Primary	59 mph	Rolling	1,750	3.29 hours
CR 7	Secondary	57 mph	Rolling	1,988	2.9 hours
CR 10	Secondary	57 mph	Rolling	1,988	2.9 hours
CR 11	Secondary	57 mph	Rolling	1,988	2.9 hours
CR 14	Secondary	57 mph	Rolling	1,988	2.9 hours
CR 21	Secondary	57 mph	Rolling	1,988	2.9 hours

Table 2.2

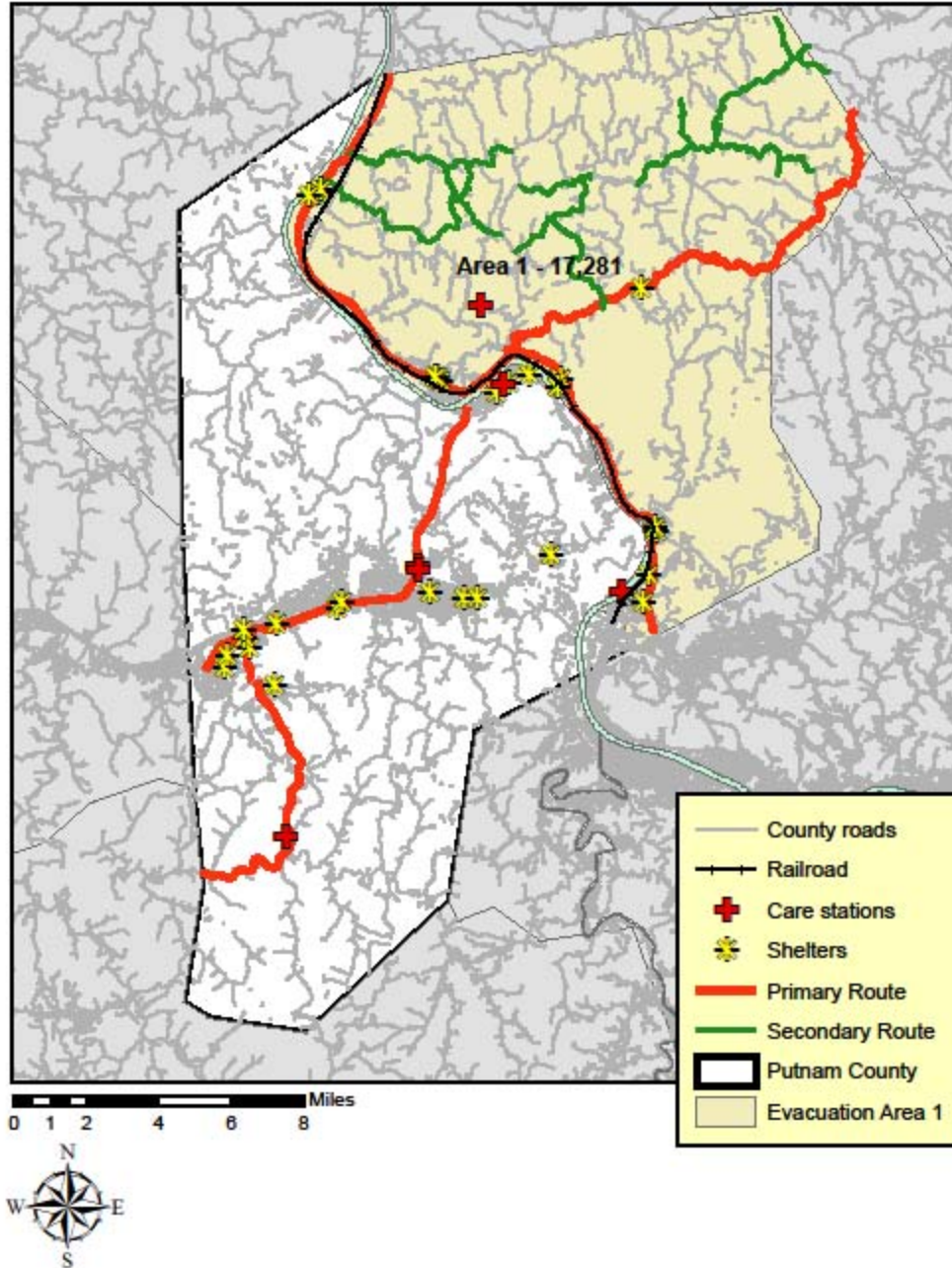
Shelters in Area 1			
Facility	Location	Capacity	Coordinator
Buffalo ES	Main Street, Buffalo	100	ARC
Buffalo HS	3680 Buffalo Road, Buffalo	200	ARC
Buffalo Senior Citizens Center	48 Wrights Lane, Buffalo	25	Administrator
Confidence ES	8786 McLane Pike, Liberty	100	ARC
George Washington ES	Eleanor Circle, Eleanor	100	ARC
Hometown ES	WV 62, Red House	100	ARC
Hometown Senior Citizens Center	100 1 <sup>st</sup> Ave. N, Hometown	25	Administrator
Poca ES	WV 62, Poca	100	ARC
Poca HS	WV 62, RR 2 Box 8B, Poca	200	ARC
Poca MS	WV 62, Poca	200	ARC
Putnam Career and Tech. Ctr.	300 Roosevelt Blvd, Eleanor	200	Administrator
George Washington MS	WV 62, Eleanor	200	ARC

Table 2.3

Critical Facilities	
Facility	Location
Bancroft Post Office (PO)	14 Main St, Bancroft
Bancroft VFD	506 Washington St, Bancroft
Buffalo ES	Main Street, Buffalo
Buffalo HS	3680 Buffalo Road, Buffalo
Buffalo PO	2062 Buffalo Road, Buffalo
Confidence ES	8786 McLane Pike, Liberty
Eleanor Police Department (PD)	600 Roosevelt Blvd, Eleanor
Eleanor PO	103 Roosevelt Blvd, Eleanor
George Washington ES	Eleanor Circle, Eleanor
George Washington MS	WV 62, Eleanor
Hometown ES	WV 62, Red House
Hometown PO	505 5 <sup>th</sup> Ave, Hometown
Liberty PO	WV 34, Liberty
Poca ES	WV 62, Poca
Poca HS	WV 62, RR 2 Box 8B, Poca
Poca MS	WV 62, Poca
Poca PD	100 Main St, Poca
Poca PO	118 Main St, Poca
Poca Community VFD	100 Main St, Poca
Putnam Career and Tech. Ctr.	300 Roosevelt Blvd, Eleanor
Red House PO	WV 62, Red House
Route 34 VFD	WV 34, Red House

**Table 2.4**

Figure 2.5 PUTNAM COUNTY EVACUATION AREA 1



## PUTNAM COUNTY EVACUATION PLAN

### APPENDIX 2: EVACUATION AREA PROFILES

#### PROFILE – AREA 2

Putnam Area 2 is comprised of the areas north of Interstate 64 and west of the Kanawha River.

This area contains the following zip codes:

- 25213
- 25526
- 25560

The area is served by the following Fire Departments:

- Winfield Volunteer Fire Department (VFD) in Winfield, WV

Area 2 contains the town of Winfield and many small unincorporated communities to include but not be limited to Pliny and Fraziers Bottom. These communities have, for the most part, formed along US Route (US) 35. The 2012 United States Census Bureau population estimate for Area 2 is 10,864. With only 2,301 people (U.S. Census Bureau, American Factfinder) within the incorporated areas, a large portion (78.8%) of Area 2's population is within the unincorporated areas thereby requiring the use of smaller, 2 lane roads for evacuation.

The primary evacuation routes are Interstate (I) - 64 and US 35. Many of the incorporated areas lie on or near these routes thereby making them the most accessible. By using US 35, a north-south evacuation along the Kanawha River can occur. US 62 can be used to supplement an evacuation in this direction if necessary and the ability to cross the Kanawha River still exists. If an emergency is to the south, movement into Mason County to the north is recommended and, if necessary, into Ohio. If the emergency is from the north, a flow to the south would be recommended toward St. Albans and South Charleston in Kanawha County or Hamlin in Lincoln County. I-64 allows for an east-west flow and is a large capacity route. I-64 can either lead to Cabell County to the west reaching Huntington or points farther west such as Kentucky and Ohio. To the east, I-64 leads into Kanawha County and larger service areas such as St. Albans and Charleston. Being that a large portion of the population should require the use of smaller routes, WV 34 and CR 19 can be used, reaching I-64 and US 35 respectively.



Figure 2.9 shows these possible routes for Area 2. Table 2.6 shows the estimated evacuation times with determined roadway capacities which follow the formulas put forth in Attachment 1 to this appendix. Table 2.7 lists possible shelter facilities in the area and Table 2.8 lists critical facilities within Area 2. For planning purposes, times were calculated by first assuming that the total population for Area 1 will be evacuating. Secondly, the number of vehicles will have 3 persons per vehicle. Finally, the estimated time is calculated by dividing the number of vehicles by the capacity/hr.

Estimated Roadway Capacities and Times for Evacuation					
Route	Primary/Secondary	Base Speed	Terrain	Capacity/hr	Estimated Time
I-64	Primary	64 mph	Rolling	3,841	0.94 hours
US 35	Primary	64 mph	Rolling	3,814	0.95 hours
US 62	Secondary	59.5 mph	Rolling	1,750	2.07 hours
WV 34	Secondary	62 mph	Rolling	1,961	1.84 hours
CR 19	Secondary	57 mph	Rolling	1,988	1.82 hours

**Table 2.6**

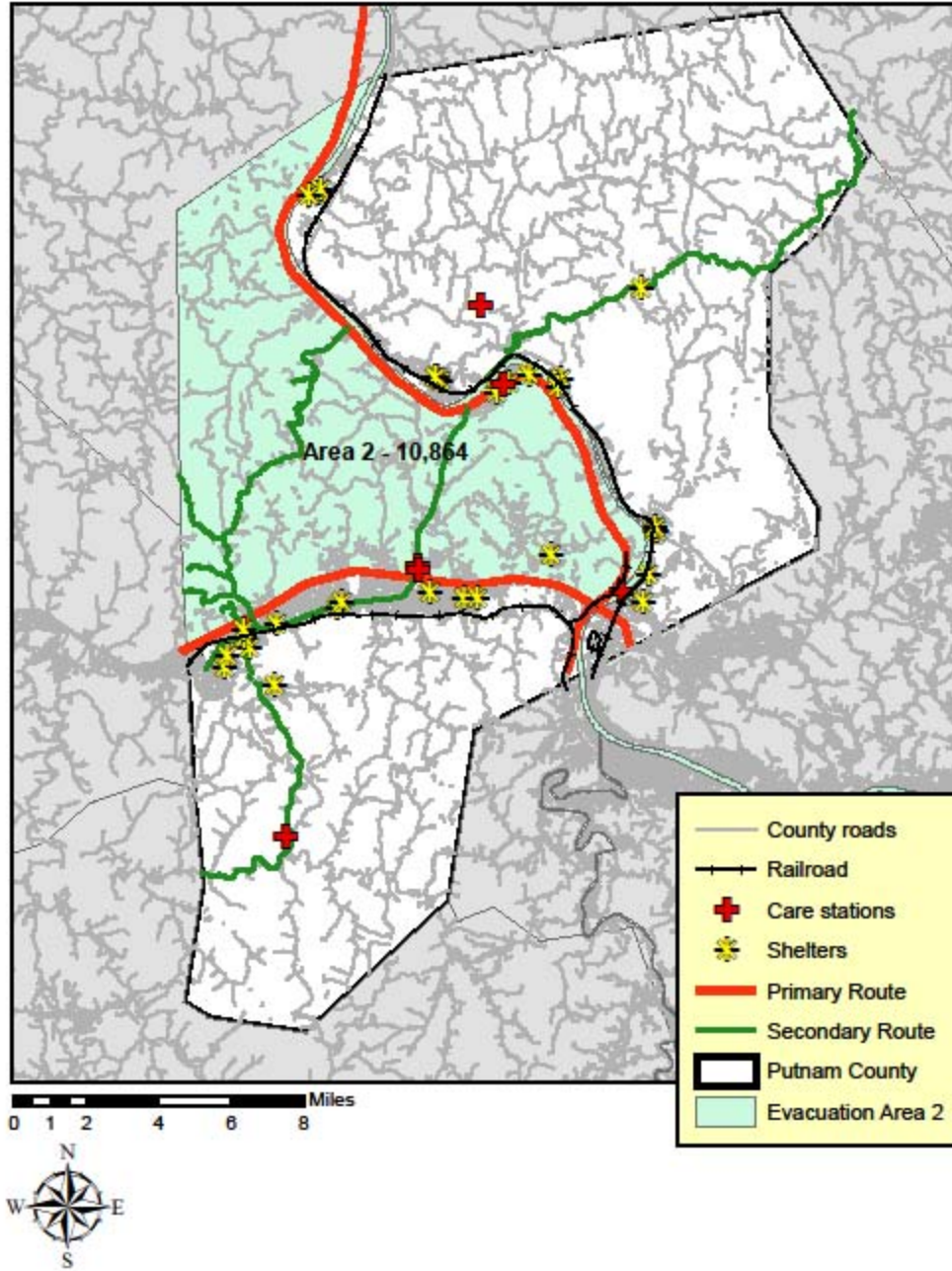
Shelters in Area 2			
Facility	Location	Capacity	Coordinator
Eastbrook ES	1600 Bills Creek Rd, Winfield	100	ARC
Winfield ES	2 Wall Street, Winfield	100	ARC
Winfield HS	3022 Winfield Rd, Winfield	200	ARC
Winfield MS	3280 Winfield Rd, Winfield	200	ARC

**Table 2.7**

Critical Facilities	
Facility	Location
Eastbrook ES	1600 Bills Creek Rd, Winfield
Fraziers Bottom PO	US 35, Fraziers Bottom
Putnam County Sheriff's Office	3389 Winfield Road, Winfield
Winfield HS	3022 Winfield Road, Winfield
Winfield MS	3280 Winfield Road, Winfield
Winfield PD	1 Main St, Winfield
Winfield PO	3278 Winfield Road, Winfield
Winfield VFD	19 Main St, Winfield

**Table 2.8**

Figure 2.9 PUTNAM COUNTY EVACUATION AREA 2



## PUTNAM COUNTY EVACUATION PLAN

### APPENDIX 2: EVACUATION AREA PROFILES

#### PROFILE – AREA 3

Putnam Area 3 is comprised of the areas north of Interstate 64 and east of the Kanawha River. This area contains the following zip codes:

- 25510
- 25523
- 25526
- 25560

The area is served by the following Fire Departments:

- Hurricane Volunteer Fire Department (VFD) in Hurricane, WV
- Teays Valley Fire Department (FD) in Scott Depot, WV

Area 3 contains the cities of Hurricane and Nitro and the census-designated places (CDP) of Culloden and Teays Valley. CDPs, while not incorporated, are a concentration of population identified by the United States Census Bureau for statistical purposes. ([http://en.wikipedia.org/wiki/Census-designated\\_place](http://en.wikipedia.org/wiki/Census-designated_place)). In addition to these cities, Area 3 contains a wide expanse of small unincorporated communities to include but not be limited to Scott Depot and Teays. Again, these communities have, for the most part, formed around I-64. The 2012 United States Census Bureau population estimate for Area 3 is 27,515. With only 4,803 people (U.S. Census Bureau, American Factfinder) outside the I-64 corridor, a large portion (82.5%) of Area 3's population is able to use I-64 as a primary route to evacuate.

The primary evacuation routes are therefore I-64 and US 60. Many of the incorporated areas lie on these routes thereby making them the most accessible. Both routes travel east-west from Kanawha County to Cabell County and the substantive resources of Charleston and Huntington respectively. West Virginia State Route 34 can be used to evacuate north or south as needed depending on the emergency. In the most southern portions of Area 3, unless the emergency is approaching from the south, using County Routes 37, 39, and 50 would be a more likely route. These routes will take evacuees into Lincoln County and then reach WV 34 or WV 3.

Figure 2.13 shows these possible routes for Area 3. Table 2.10 shows the estimated evacuation times with determined roadway capacities which follow the formulas put forth in Attachment 1 to this appendix. Table 2.11 lists possible shelter facilities in the area and Table 2.12 lists critical facilities within Area 3. For planning purposes, times were calculated by first assuming that the total population for Area 3 will be evacuating. Secondly, the number of vehicles will have 3 persons per vehicle. Finally, the estimated time is calculated by dividing the number of vehicles by the capacity/hr.

Estimated Roadway Capacities and Times for Evacuation					
Route	Primary/Secondary	Base Speed	Terrain	Capacity/hr	Estimated Time
I-64	Primary	63.8	Rolling	3,841	2.39 hours
US 60	Primary	62.3	Rolling	1,799	5.1 hours
WV 34	Secondary	62.3	Rolling	1,961	4.68 hours
CR 37	Secondary	57 mph	Rolling	1,988	4.61 hours
CR 39	Secondary	57 mph	Rolling	1,988	4.61 hours
CR 50	Secondary	57 mph	Rolling	1,988	4.61 hours

Table 2.10

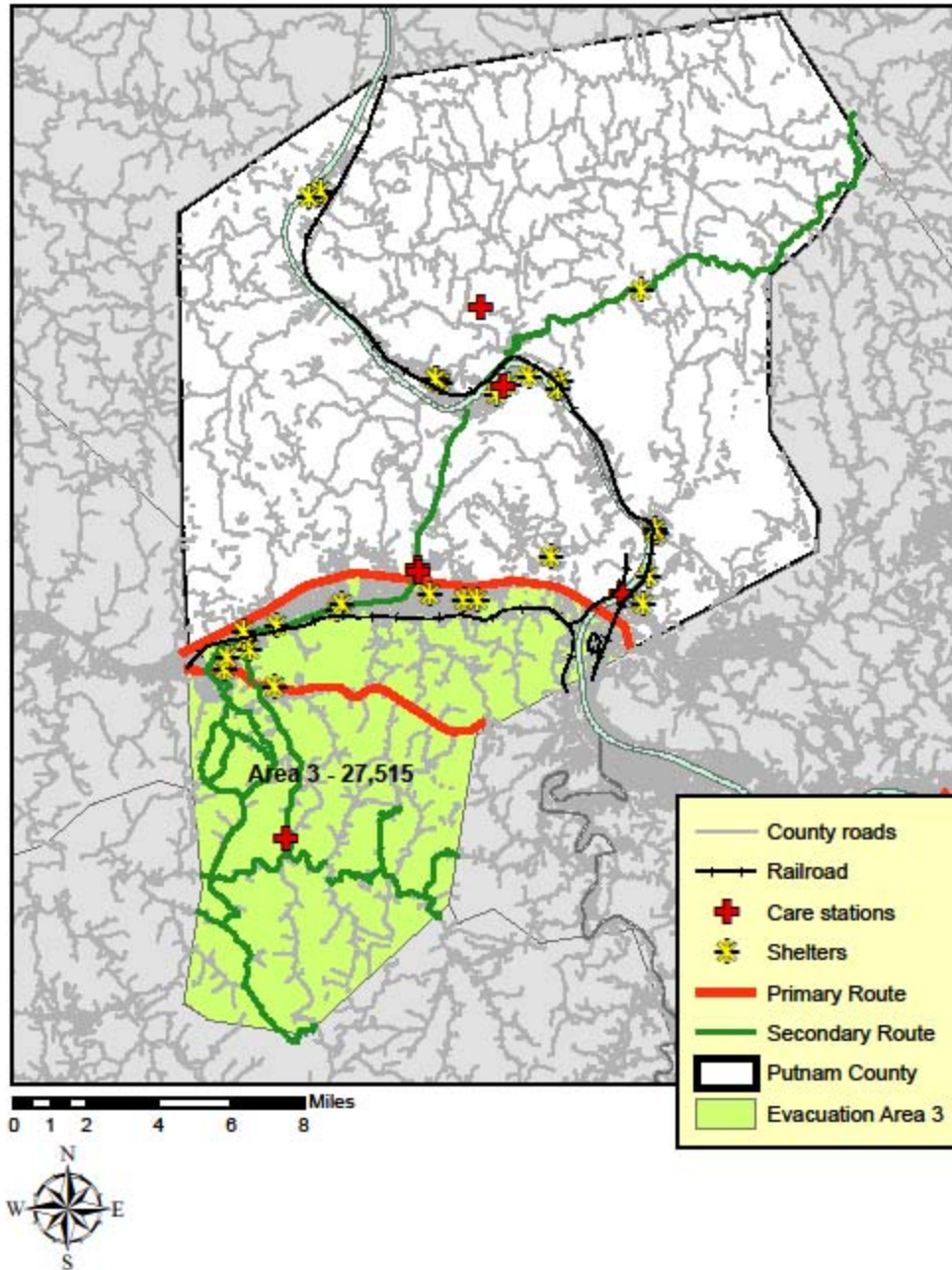
Shelters in Area 3			
Facility	Location	Capacity	Coordinator
Conner Street ES	445 Conner St, Hurricane	100	ARC
Hurricane HS	3350 Teays Valley Rd, Hurricane	200	ARC
Hurricane MS	518 Midland Trail, Hurricane	200	ARC
Hurricane Town ES	300 Harbor Lane, Hurricane	100	ARC
Lakeside ES	2550 US 60, Hurricane	100	ARC
Mountain View ES	3967 Teays Balley Rd, Hurricane	100	ARC
Rock Branch ES	4616 First Ave, Nitro	100	ARC
Scott Teays ES	4308 Teays Valley Rd, Scott Depot	100	ARC
Tri-County YMCA	200 Carls Lane, Scott Depot	100	Administrator
West Teays ES	3676 Teays Valley Rd, Hurricane	100	ARC

Table 2.11

Critical Facilities	
Facility	Location
Conner Street ES	445 Conner St, Hurricane
Hurricane HS	3350 Teays Valley Rd, Hurricane
Hurricane MS	518 Midland Trail, Hurricane
Hurricane PD	3255 Teays Valley Road, Hurrican
Hurricane PO	3225 Teays Valley Road, Hurricane
Hurricane Town ES	300 Harbor Lane, Hurricane
Hurricane VFD	2716 Main St, Hurricane
Lakeside ES	2550 US 60, Hurricane
Mountain View ES	3967 Teays Balley Rd, Hurricane
Nitro PD	20 <sup>th</sup> St and 2 <sup>nd</sup> Ave, Nitro
Rock Branch ES	4616 First Ave, Nitro
Scott Depot PO	4034 Teays Valley Road, Scott Depot
Scott Teays ES	4308 Teays Valley Rd, Scott Depot
Teays PO	31 Putnam Village Shopping Ctr, Teays
Teays Valley Christian School	4373 Teays Valley Rd, Scott Depot
Teays Valley FD	100 N. Poplar Fork Road, Scott Depot
Tri-County YMCA	200 Carls Lane, Scott Depot
West Teays ES	3676 Teays Valley Rd, Hurricane

Table 2.12

Figure 2.13 PUTNAM COUNTY EVACUATION AREA 3



## PUTNAM COUNTY EVACUATION PLAN

### APPENDIX 2: EVACUATION AREA PROFILES

#### ATTACHMENT #1: CALCULATING ROADWAY CAPACITIES

This attachment provides an explanation of the methodology used to calculate roadway capacities and, thus, estimated Worst Case Scenario (WCS) evacuation times. WCS evacuation times provide emergency managers with a minimum estimate of the lead time necessary to implement a full evacuation.

Several equations were used to calculate the Peak Capacity (PeakCap) of roadways, all of which were taken from the latest edition of the Transportation Research Board's *Highway Capacity Manual* (HCM). Equation numbers will be cited where appropriate.

In order to calculate the Base Capacity (BaseCap) for each evacuation route – primary and secondary – calculating the Free Flow Speed (FFS) was necessary. HCM equation 23-1 was applied directly.

$$\text{FFS} = \text{Base FFS} - f_{\text{LW}} - f_{\text{LC}} - f_{\text{N}} - f_{\text{ID}}$$

The equation uses factors for lane width (LW), lateral clearance (LC – i.e., the width of berm areas), number of lanes traveling in one direction (N), and interchange density (ID). Many of these factors were assigned values by the HCM.

The BaseCap was necessary to calculate the PeakCap, as can be seen by HCM equation 23-2.

$$\text{PeakCap} = \text{BaseCap} * \text{PHF} * N * f_{\text{HV}} * f_{\text{p}}$$

“PHF” stands for “peak hour factor”; HCM recommendations of 0.88 for rural roadways and 0.92 for urban roadways were utilized. The number of lanes in one direction was again represented by N. Factors for “heavy vehicles” (HV) and driver population (P) were also utilized for the PeakCap calculation. \*NOTE: The HCM sets the driver population factor at 1.0 for urban roadways under the assumption that drivers are familiar with the roadway and traffic conditions. A factor of 0.975 has been set for rural roadways.

The equation to derive the factor for heavy vehicles requires a proportion percentage of truck and bus traffic. In an effort to utilize “real” data, proportions of truck traffic were calculated using actual data from the *KPEPC Commodity Flow Study* from 2008. The other variable in the heavy vehicle equation was a factor for “passenger-car equivalents”, which was set by the HCM.

The actual equation reads as follows:

$$f_{HV} = \frac{1}{1 + HV * (E_T - 1)}$$

Consider the following example for Areas 2 and 3. First, one must calculate the FFS. The HCM provides 70 mph as a given figure for urban area freeways. Lanes are 12’ in width, which does not negatively affect speed; berms are greater than 6’ in width, which also does not negatively impact speed. The HCM advises to subtract 4.5 for roadways with two (2) lanes going in the same direction and by extrapolating the chart, roadways with one lane going in each direction to subtract 6.0. Finally, the HCM assigns a value from 1.0 to 2.1 depending on the level of urbanization to represent the Interchange Density.

For example, to determine the FFS for I-64 the following values were used:

BFFS = 70 mph,  $f_{LW} = 0$ ,  $f_{LC} = 0$ ,  $f_N = 4.5$ ,  $f_{ID} = 1.7$

$$FFS = BFFS - f_{LW} - f_{LC} - f_N - f_{ID}$$

$$FFS = 70 - 0 - 0 - 4.5 - 1.7$$

$$FFS = 63.8 \text{ mph}$$

With the FFS, all variables except for heavy vehicles are available for insertion into the PeakCap equation. The following calculation determined the heavy vehicles factor.

$$f_{HV} = \frac{1}{1 + HV * (E_T - 1)}$$

$$f_{HV} = \frac{1}{1 + (10982/45750) * (1.5-1)}$$

$$f_{HV} = \frac{1}{1 + (0.24 * 0.5)}$$

$$f_{HV} = \frac{1}{1.12}$$



$$f_{HV} = 0.893$$

\*NOTES: The figure 10,982 is taken from the KPEPC Commodity Flow Study. The figure 45,750 is an average of the WVDOT's volume traffic counts on I-64 in the Putnam area between Hurricane and Nitro.

With this factor for heavy vehicles, the peak capacity of Interstate 64 could then be calculated. When combined with the given values, the PeakCap equation becomes:

$$\begin{aligned} \text{PeakCap} &= \text{BaseCap} * \text{PHF} * N * f_{HV} * f_p \\ \text{PeakCap} &= 2,338 * 0.92 * 2 * 0.893 * 1 \\ \text{PeakCap} &= 3,841 \end{aligned}$$

Estimated evacuation times were calculated for each primary and secondary evacuation route for each evacuation area. As a WCS calculation, emergency managers can expect the maximum amount of time on both secondary and primary routes to represent a minimum amount of necessary lead time. It is significant to note that the estimates times assume that evacuees will enter evacuation routes at more or less regular intervals. There was no factor in the calculation to account for the initial "trickle" effect of those that evacuation quickly.

The following equation was utilized to calculate estimated times.

$$\text{Evacuation Time} = (\text{Area Population} / 3 = \text{Number of Vehicles}) / \text{PeakCap}$$

\*NOTE: The population was divided by 3 for the assumption of three individuals per vehicle.

Again, as an example, Interstate 64 is a primary evacuation route for both Area 2 and 3. To give estimated evacuation times, each area will be looked at individually and if both areas must evacuate at the same time.

- Area 2 Population = 10,864
- Area 3 Population = 27,515
- Area 2 and 3 Population = 38,379
- PeakCap = 3,841

Evacuation Area	Evacuation Time
Area 2	(10,864/3) / 3,841 = 0.94 hours
Area 3	(27,515/3) / 3,841 = 2.39 hours
Area 2 and 3	(38,379/3) / 3,841 = 3.33 hours

## **PUTNAM COUNTY EVACUATION PLAN**

### **APPENDIX 3: SCHOOL BUS ROUTES**

As the primary method of mass transportation in Putnam County, school busses should be used in the event of an evacuation. The Putnam County School System lists the following areas as having busses:

- Buffalo area, Area Coordinator: 304-586-2423
- Hurricane area, Area Coordinator: 304-562-2050
- Poca area, Area Coordinator: 304-755-9569
- Winfield area, Area Coordinator: 304-586-0500 Ext. 142

The bus numbers and their corresponding routes within each area follow.

## **BUFFALO AREA**

### **Bus 991**

#### AM Run

Grandview Fire Department-6:36, Wade Chapel-6:38, Box 118 Antioch Road-6:41, White Oak Drive-6:45, "Y" on Antioch-6:48, Mouth of Low Gap-6:51, **Confidence Elementary**, Camelot-7:25, Cobb Hollow Road-7:32, Gritts Greenhouse-7:34, Null Addition-7:35, Noffsinger Mini Storage-7:36, Meadows Body Shop-7:37, Rumer Station-7:38, **G. W. Middle**.

#### PM Run

Low Gap-2:35, Box Antioch Road-2:39, Mower repair shop-2:45, Wade Chapel-2:47, Grandview Fire Department-2:48, Nash Lane-3:34, Law office-3:39, Wood Station-3:41, Cobb Hollow-3:43, Mouth of Midway Hollow-3:43, Null Addition-3:44, Camelot-3:45, Old Library-3:46.

### **Bus 1006**

#### AM Run

Crown Hill-6:32, Emerald Fields-6:35, 1429 Grandview Ridge-6:37, Route 1 Box 148-A-6:41, Grandview Church-6:42, Mathews Road-6:43, Mouth of Steel Ridge-6:44, Route 1 Box 150-A-6:47, Brian Hills Body Shop-6:49, Route 1 Box 158-6:50, Route 1 Box 161-6:52, Hawkins Road-6:56, Route 1 Box 169-6:57, Route 1 Box 170-6:58, Route 1 Box 171-B-6:59, Route 1 Box 174-E-7:02, Route 1 Box 177-A-7:04, 463 Steel Ridge -7:04, Route 1 Box 179-A-7:06, Peaceful Rose Farm Road-7:07, **Buffalo Elementary**-7:18, **Buffalo High**-7:25, **GW Middle** 7:38.

#### PM Run

**Buffalo Elementary**, Cross Creek-2:40, Central Avenue-2:41, Auction House -2:41, Frazier Lane-2:42, Route 1 Box 407-2:44, Route 1 Box 396-2:47, 1545 Cross Creek Road-2:48, 387 Cross Creek Road-2:50, 1694 Cross Creek Road-2:50, Midway Hollow-2:53, 245 Gritt Road-2:55, Route 1 Box 177-A(Steel Ridge)-3:03, Route 1 Box 173-B-3:05, Hawkins Road-3:07, Dunlap Ridge Road-3:08, Route 1 Box 161-2-3:11, Brian Hills Body Shop-3:13, Grandview Ridge Route 1 Box 309-AA-3:20, 18 Mile Creek Road-3:24, Route 1 Box 287-3:27, 4127 18 Mile Creek Road-3:29.

### **Bus 1103**

#### AM Run

Route 62 Midway-6:45, Boyer Lane-6:46, Wood Station-6:48, 850 Custer Ridge-6:55, 370 Custer Ridge-6:56, 290 Oak Ridge-6:57, 16 Oak Ridge-6:59, 1080 Custer Ridge-7:01, 161 Easy Street-7:15, 453 Wrights Lane-7:16, 224 Nash Lane-7:16, 81 Wrights Lane-7:16, 3483 Buffalo Road-7:17, **Buffalo Elementary**-7:20, **Buffalo High**-7:25, Cobb Hollow-7:25, **G. W. Middle**-7:40.

#### PM Run

**Buffalo Elementary, Buffalo High**, 106 Main Street-2:55, Route 1 Box 187-A Cobb Hollow-3:00, Route 1 Box 184-B Midway-3:00, 16 Oak Ridge-3:05, 349 Custer Ridge-3:07, 344 Custer Ridge-3:08, **G. W. Middle/Elementary**, Route 1 Box 187-A-3:28 Cobb Hollow, Alpine Acres – Cobb Hollow-3:30, Route 1 Box 182 Midway-3:34, 1080 Custer Ridge-3:42, Oak Ridge-Custer Ridge-3:43, 850 Custer Ridge-3:44.

### **Bus 1104**

#### AM Run

3407 Beech Fork Road-6:30, Route 3 Box 157-6:31, Route 3 Box 158-6:32, Tucker Ridge-(transfer)-6:40, 963 Tucker Ridge Road-6:41, Route 1 Box 295F-6:42, Route 1 Box 287 18 Mile Creek Road-6:50, 4127 18 Mile Creek Road-6:52, 3970 18 Mile Creek Road-6:54, 3846 18 Mile Creek Road-6:55, Bear Branch Road-6:59, Martin Bridge-7:02, Lukes Branch Road-7:03, 2633 18 Mile Creek Road-7:04, Otter Branch Church-7:05, 2115 Homebrew Hollow-7:07, Route 1 Box 221-A-7:09, **Buffalo Elementary**-7:20, **Buffalo High**-7:22, **G. W. Middle**-7:32.

#### PM Run

**G. W. Middle**, Gritt Lane-3:15, Route 1 Box 187-3:16, Cobb Hollow-3:17, **Buffalo High**, 18 Mile Creek/Tlms Street-3:30, Railroad 18 Mile Creek Road-3:35, Cristian Lane-3:41, Route 1 Box 206 18 Mile Creek Road-3:44, 123 Thornton Lane-3:46, Box 245 Cane Hill Road-3:47, 429 Cane Hill Road-3:48, 646 Cane Hill Road-3:50, 2493 18 Mile Creek Road-3:53, 2633 18 Mile Creek Road-3:54, Lukes Branch Road-3:55, Martin Bridge-3:56, Bear Branch Road-3:58, 3280 18 Mile Creek-3:59, Turkey Branch (left fork)-4:00, 295F Tucker Ridge Road-4:05, 295C Tucker Ridge Road-4:07, 1002 Spring Branch Road-4:20, 813 Spring Branch Road-4:22, Route 3 Box

158C-4:37.

### **Bus 1105**

#### AM Run

Douglas Hill Road-6:26, Route 1 Box 127, Liberty-6:27, Route 1 Box 122, Liberty-6:30, Route 1 Box 102, Liberty-6:38, Route 1 Box 101, Liberty-6:39, Bumgardner Road-6:40, Breezy Lane-6:42, Route 1 Box 84, Liberty-6:38, Liberty Store-6:46, Route 1 Box 308AA, Liberty-6:48, Route 1 Box 292 Grass Lick Road-6:47, Route 1 Box 280, Liberty-6:53, Mt. Etna Road-6:54, Route 1 Box 195A-6:56, Route 1 Box 197A-6:58, Route 1 Box 266, Liberty-7:05, **Confidence Elementary** 4<sup>th</sup> house on right-7:18, **G. W. Middle**.

#### PM Run

**GW Middle**, Rumor Station-3:14, Camelot-3:15, Meadows Body Shop-3:17, Null Addition-3:20, Gritt's Greenhouse-3:22, Midway Hollow Road-3:23, **Buffalo High**, Home Brew Hollow-3:35, Oldaker Road-3:44, 570 Manilla Road-3:47, 1249 Arbuckle Creek Road-3:52, Old Delta-3:54, 2465 Manilla Road-3:55, Jim Ridge-4:04, 509 Jim Ridge-4:08, Spring Branch-4:06, 1090 Jim Ridge-4:10, Route 1 Box 233B-4:15, Tribble Road-4:18, Route 1 Box 238A-4:20.

### **Bus 1207**

#### AM Run

206 Eleanor Circle-6:56, Fir Street-7:00, Camelot Trailer Park-7:05, Cobb Hollow Road-7:09, Box 1004 Gritt Road-7:13, Box 182C-7:15, 167 Cross Creek Road-7:21, Route 1 Box 389-7:21, Route 1 Box 390-7:22, Route 1 Box 392A-7:23, 1545 Cross Creek-7:24, 1190 Cross Creek Road-7:26, 1094 Cross Creek Road-7:27, 172 Frazier Lane-7:30, 590 Cross Creek Road-7:30, Cross Creek Auction-7:31, 2706 Buffalo Road-7:32, **Buffalo Elementary**-7:34, **Buffalo High**-7:35, **G. W. Middle**-7:45.

#### PM Run

**Buffalo High**, Auction House Cross Creek-3:30, 172 Frazier Lane-3:31, 1190 Cross Creek Road-3:33, Route 1 Box 399-3:35, 1545 Cross Creek-3:37, Route 1 Box 392A-3:38, Route 1 Box 390-3:39, Route 1 Box 379C-3:40, Route 1 Box 177D-3:48, Route 1 Box 176C-3:49, Route 1 Box 174A-3:51, Route 1 Box 171B-3:53, Hawkins Road-3:55, Route 1 Box 162E-3:57, Route 1 Box 158-3:58, Steel Ridge (Casto farm)-4:00, Route 1 Box 146-A-4:05, Bronco Junction Road-4:13, Route 1 Box 195-4:15, 4127 18 Mile Creek Road-4:25.

**Bus 2002** (afternoon run only)

**Confidence Elementary**, HC 63 Box 55 (Route 34)-2:35, Right before Bowles Ridge Road-2:36, Williams Road-2:37, Route 1 Box 119-2:41, Route 1 Box 119-2-2:43, Route 1 Box 123D-2:44, Route 1 Box 125-2:46, Route 1 Box 125B-2:47, Route 1 Box 130E Mathews Road-2:50, Route 1 Box 236-2 Grandview Ridge-2:52, Route 1 Box 134 Grandview Ridge-2:54, 73 Quail Drive-2:56, Ohio Apex Road-3:00, 163 Madder Drive-3:01, 1876 Grandview Ridge-3:03, 1878 Grandview Ridge-3:05, 1879 Grandview Ridge-3:06, Grandview Ridge Intersection-3:08, 230 Crown Hill Road-3:11, 751 Crown Hill-3:13, Route 1 Box 142 Bowles Ridge-3:14, Route 1 Box 143A-3:15, 471 Sulug Road -3:16, Box 170-A-3:17, Route 1 Box 163 Jim Ridge-3:18, Route 1 Box 240A Mount Zion Road-3:20, 98 Antioch Road-4:01, HC60 Box 86-4 Antioch Road-4:02, 118 White Oak Drive-4:03, HC63 Box 315-4:04, HC63 Box 243 Low Gap-4:05.

**Bus 2303**

AM Run

Lime Kiln Turnaround-6:50, Route 1 Box 44-6:53, Route 1 Box 38-2-6:55, Kanawha View Drive-6:56, Foot of Red House Hill-6:58, Summit Pointe-7:00, 90 Roosevelt Blvd-7:02, 105 Jamie Lane Glenmont-7:03, Fruth Pharmacy-7:04, 935 Roosevelt Blvd-7:06, 304 Ivywood Street-7:07, 108 Kapok Street-7:08, 220 Maple Street-7:09, 103 Nutmeg Street-7:10, Route 1 Box 269-7:11, End of Midway Hollow-7:12, **Buffalo High**-7:15, Hanshaw-7:21, Boyer Lane-7:22, **G. W. Elementary/Middle**-7:23.

PM Run

**Buffalo Elementary**, 26 Shirley Drive-2:33, Wrights Lane-2:32, Nash Lane-2:34, Young's Market-2:34, 100 River Vista Drive-2:36, 105 Wood Station-2:37, Church Street-2:39, Hudrich Street-2:40, Nutmeg Street-2:42, 8 Merlin Ct-2:50, **G. W. Middle**, Hudrich Street-3:12, Boyer Lane-3:13, Wood Station-3:17, Smithfield Apartment-3:21, **Buffalo High**-3:25, Route 2 Box 54-3:41, Route 1 Box 220-1-3:42, Route 1 Box 269-3:43, 8 Merlot Court-3:45, 103 Nutmeg Street-3:46, 1102 Roosevelt Blvd-3:47, 108 Kapok Street-3:48, 304 Ivywood Street-3:50, 935 Roosevelt Blvd-3:51, 1000 Roosevelt Blvd-3:55, 206 Eleanor Circle-3:57, 105 Jamie Lane-3:58, 90 Roosevelt Blvd-4:00, 3 Summit Point-4:02, Lime Kiln/Route 34-4:05, Kanawha View-4:06, Box 47-3-4:07, Box 44-4:08, Iron Bridge-4:10.

### **Bus 2306**

#### AM Run

Morrison Road-6:30, Box 238A Riffe Ridge Road-6:33, End of Mud Lick Road-6:33, Box 237 Mud Lick Road-6:33, Box 168 Liberty-6:34, Box 233B Jim Ridge-6:35, Box 166 Given-6:38, OK Hill Road-6:39, Box 161-6:39, Box 1070-6:43, Box 518 Jim Ridge-6:45, Box 510 Leon-6:46, Box 3090 Manilla Ridge Road-6:55, Box 2946 Leon-6:56, Box 2024-7:00, End of Old Delta Road-7:01, Arbuckle Creek Road-7:03, Box 570 Leon-7:09, **Buffalo Elementary-7:20**.

#### PM Run

**Buffalo Elementary/High**, Box 29 Homebrew Hollow-2:47, Box 570 Leon-2:47, Arbuckle Creek Road-2:50, Box 18-2:52, Old Delta Road-2:55, Box 2024-2:56, Box 2410-2:57, Box 2465-2:58, Box 2641 Manilla Ridge-3:00, Box 510 Jim Ridge Road-3:06, Box 518 Jim Ridge-3:06, Box 161-1-3:11, Box 233-B-3:18.

### **Bus 2505**

#### AM Run

1002 Spring Branch-6:41, End of Sulug Road-6:42, 816 Bee Ridge-6:45, 376 Bee Ridge-6:49, Turkey Branch Road (end left fork)-6:53, 901 Turkey Branch Road-6:55, 245 Cain Hill Road-7:06, 203 18 Mile Creek Road-7:10, 202 18 Mile Creek Road-7:11, 1668 18 Mile Creek Road-7:11, 1812 18 Mile Creek Road-7:11, 190 18 Mile Creek Road-7:12, 25 Christian Lane-7:13, Pumpkin Vine Road-7:15, 7<sup>th</sup> Avenue-7:17, Maple Lane-7:18, 135 River Street-7:20, 2313 Buffalo Road-7:21, 4 Main Street-7:22, Locust Street-7:22, Sycamore Street-7:23, **Buffalo Elementary-7:20, Buffalo High-7:26**.

#### PM Run

**Buffalo Elementary/High**, Maple Lane-2:39, 7<sup>th</sup> Avenue-2:40, Pumpkin Vine Road-2:42, 190 18 Mile Creek Road-2:45, 203 18 Mile Creek Road-2:47, 238 18 Mile Creek Road-2:49, 235 18 Mile Creek Road-2:50, 2380 18 Mile Creek Road-2:50, 245 Cain Hill-2:51, Luke's Branch (end)-2:54, Bear Branch (end)-2:56, 3234 18 Mile Creek Road-2:57, 3405 18 Mile Creek Road-2:58, Turkey Branch-2:59, 901 Turkey Branch-3:01, 963 Tucker Ridge-3:09, 253 Bee Ridge Road-3:17.

### **Bus 2802**

#### AM Run

DiDomenico's-7:10, Mason County Line-7:14, Meadowbrook-7:15, Church Road Robertsburg-7:17, End of 18 Mile Creek Road-7:21, Harvey Street-7:23, Craig Street-7:25, Quail Court-7:26, Buffalo Car Wash-7:26, Washington Street-7:27, **Buffalo Elementary-7:30, Buffalo High-7:35 GW Middle-7:45.**

PM Run

**Buffalo Elementary**, Buffalo Car Wash-2:37, Handley Street-2:38, Old Buffalo Diner-2:39, Quail Court-2:43, Craig Street-2:43, Harvey Street-2:44, End of 18 Mile Creek Road-2:45, Robertsburg-2:48, Meadowbrook-2:56, Old Arbuckle School turn around-3:01, **Buffalo High**, Smithfield Estates-3:29, Buffalo Shopping Center-3:30, River Street-3:31, Washington Street-3:32, Buffalo Car Wash-3:34, Handley Street-3:35, Cardinal Court-3:38, Quail Court-3:38, Craig Street-3:39, Harvey Street-3:40, Box 25123 Robertsburg-3:46, Church Street-3:47, County Line Auto-3:47 Route 62 Box 6993-3:48, Old Arbuckle School-3:52, Construction Company-3:54.

**Bus 2804**

AM Run

Lone Oak Road-7:00, Route 34 Round Knob Road-7:08, Lime Kiln/Kanawha View-7:12, Route 1 Box 39-C-7:13, Route 1 Box 41-A-7:16, 105 Jamie Lane-7:28, 108 Beech Street-7:29, 116 Roosevelt Blvd-7:30, Fir Street-7:33, City National Bank-7:34, Ivywood Street-7:35, 1002 Roosevelt Blvd-7:36, Kapok-7:37, Locust & Maple Street-7:38, 607 Roosevelt Blvd-7:40, **GW Elementary/Middle-7:42.**

PM Run

**GW Elementary/Middle-** Fir Street-3:14, Earls Auto Parts-3:15, City National Bank-3:17, Ivywood Street-3:18, 1002 Roosevelt Blvd-3:19, Kapok Street-3:20, Locust & Maple Street-3:21, 951 Roosevelt Blvd-3:22, 915 Roosevelt Blvd-3:23, 613 Roosevelt Blvd-3:25, 607 Roosevelt Blvd-3:26, Route 1 Box 46 Kanawha View-3:32, Lime Kiln-3:34, Route 1 Box 39-4-3:38, Route 1 Box 44-2-3:39, Route 1 Box 39-4-3:40, Round Knob-3:49, 124 Grandview Ridge-3:55, Route 1 Box 140-4-3:58.

**Bus 2806**

AM Run



Ohio Apex Road-6:24, Turnaround-6:26, 3<sup>rd</sup> house past Grandview Church-6:32, Matthews Road-6:33, Round Knob Road-6:42, 153 Steel Ridge-6:44, 152-1 Steel Ridge-6:45, 151-4 Steel Ridge-6:46, 149-3 Steel Ridge-6:48, 125B Grandview Ridge-6:50, Old Casto Farm-6:52, 123D Grandview Ridge-6:53, 119-2 Grandview Ridge-6:54, Water Tower-6:55, 116-1 Antioch Road-6:56, Old Confidence Elementary-6:59, Williams Road-7:00, Hively's Goat Farm-7:02, First house past Bowles Ridge Road-7:04, **Confidence Elementary-7:12, G. W. Middle-7:35.**

#### PM Run

**Confidence Elementary**, Mt Etna Road-2:33, Cattle Crest Road-2:34, Crooked Ridge Road-2:40, Grassy Lick Lane-2:43, Sigman Fork Road-2:47, Liberty Sign-2:48, Derricks Creek Road-2:50, Box 226-B Scott Ridge-2:55, 232-H Scott Ridge-2:59, Cherry Fork-3:07, Old Confidence Elementary-3:35, Box 98 Antioch Road-3:38, Box 79 Antioch Road-3:40, White Oak Drive-3:41, End of Low Gap-3:42, 205 Bowles Ridge Road-3:45, Box 200 Bowles Ridge Road-3:46, 196BB-3:47, Box 193A-3:47.

#### **Bus 2902**

##### AM Run

Manilla Creek-6:25, Stumpy Creek-6:27, Scott Ridge-6:30, Route 1 Box 243-6:40, Route 1 Box 2367-6:42, Route 1 Box 235-6:43, Route 1 Box 2365-6:45, Route 1 Box 232H-6:46, Route 1 Box 231A-6:48, Route 1 Box 227D-6:49, Route 1 Box 226-6:50, Route 1 Box 226B-6:52, Route 1 Box 252B-6:55, **Confidence Elementary-6:57**, Manilla Creek-7:05, Old Confidence Elementary-7:09, HC63 Box 55-7:11, Route 1 Box 111A-7:12, Route 1 Box 104A-7:13, Route 1 Box 103D-7:14, Route 1 Box 102-7:16, Wilkie Road-7:18, Route 1 Box 93C-7:19, Route 1 Box 93A-7:22, Route 1 Box 84C-7:23, **GW Elementary /Middle-7:30.**

##### PM Run

**G. W. Elementary/Middle**, Route 34 1<sup>st</sup> house past Round Knob Road-3:23, Lone Oak Road-3:25, Route 1 Box 82A-3:25, Route 1 Box 84C-3:25, Route 1 Box 93A-3:26, Route 1 Box 93C-3:28, Wilkie Road-3:28, Route 1 box 102-3:29, Route 1 Box 103D-3:30, Route 1 Box 104A-3:30, Route 1 Box 111-3:31, HC 63 Box 55-3:33, Old Confidence Elementary-3:34, Route 1 Box 218A Williams Road-3:35, Manilla Creek-3:38, Stumpy Creek-3:39, Route 1 Box 226-3:40, Box 227-D-3:41, Route 1 Box 235 Scott Ridge-3:42, Route 1 Box 251B-3:49, Route 1 Box 266-3:50, Mt Etna Ridge-3:52, Route 1 Box 292-3:54, Sigman Fork Road-3:56, 12974 McLane Pike-3:58, Fisher Ridge-3:59, Route 1 Box 122 Fisher Ridge-4:02, route 1 box 125A-4:05, Route 1 Box

127 Fisher Ridge-4:07, Route 1 Box 135 Liberty-4:10.

## HURRICANE AREA

### Bus 982 (afternoon run only)

**West Teays Elementary**-2:30, 302 Lower Overlook-2:32, 306 Lower Overlook-2:32, 308 Lower Overlook-2:33, 320 Lower Overlook-2:34, 323 Lower Overlook-2:35, 328 Lower Overlook-2:35, 762 Lower Overlook-2:37, 668 Lower Overlook-2:38, 546 Lower Overlook Drive-2:38, 520 Lower Overlook-2:39, 521 Lower Overlook-2:39, Gibson Intersection-2:39, 2<sup>nd</sup> Gibson Intersection-2:39, 112 Upper Overlook-2:40, 198 Irene Circle-2:41, 3115 Route 34 Teays Valley Road-2:45, 3217 Route 34 Teays Valley Road-2:47, Enterprise Rent-A-Car-2:48, Cherry Street-2:50, 3469 Route 34-2:50, Creative Nursery-2:51, South Brook 1<sup>st</sup> Intersection-2:53, **Hurricane Middle, Hurricane High**-3:45, Meadowbrook-3:54, Ellis Drive-3:54, Sterling Drive-3:55, Wedgewood Glen-3:57, Sleepy Hollow Condos-4:00, East Highland Drive-4:01, West Teays Elementary-4:03, Harriett Court-4:04, Lulu Court-4:04, Timberline Trail-4:05, Sweetbriar Trail-4:05, 308 Plantation-4:06, 314 Plantation-4:06, 19 Brookgreen-4:07, 25 Brookgreen-4:07, Meadow Ridge-4:08.

### Bus 990

#### AM Run

Joy Lane-6:56, Westwood Trailer Park-6:57, Thompson Road-6:58, Imperial Estates-7:00, Kingswood Estates-7:03, Willow Creek Subdivision-7:09, Willard Circle-7:10, Southwest Street-7:13, Oak/Pinewood-7:14, Pinewood/Walnut-7:16, Grandview Drive-7:18, Middle Coach-7:19, Sycamore Lane-7:20, Willarose-7:21, **Hurricane Middle-7:28, Hurricane High-7:40.**

#### PM Run

**Hurricane Town**, Harbour Lane North-2:52, Wolford Apartments-2:53, Main Street-2:55, Cline Avenue-2:57, Nicole Drive-2:58, Western Hills-3:00, Victorian Place-3:02, Shaw Lane-3:04, Route 60-3:06, Joy Lane-3:07, **Hurricane Middle, Hurricane High**, WVDOH Garage-3:48, East Lynn/Morning Road-3:50, Putnam Avenue intersection-3:51, Virginia Avenue-3:53, Bloomingdale Sign-3:56, Virginia Avenue 2<sup>nd</sup> Intersection-3:58, Rose Crest sign-4:03, Virginia Avenue Apartments-4:04, Hurricane Creek Road/Poindexter Road-4:14.

**Bus 993** (afternoon run only)

**West Teays Elementary**, Royal Oak Court-2:30, Meadow Brooke-2:32, Sterling Drive-2:33, Windsor Court-Wellington Drive-2:34, Brookshire-2:35, Cambridge-2:36, McClung Road-2:37, Preston Road-2:38, Woodridge Estates-2:39, Branchside Road-2:52, 1018 Crestmont-2:54, 1038 Crestmont-2:55, 1048 Crestmont-2:56, 1054 Crestmont-2:57, Pinnacle View Road-2:58, Right fork of Cow Creek, Route 4 Box 37-3:02, Route 4 Box 43-3:05, Route 4 Box 44-3:06, **Hurricane Middle**, Fox Run-3:50, Green Acres-3:58, White Rock-4:00, Lake Chadesa Drive-4:01, Shan Lane-4:03, Burger King-4:03, Brierwood Estates-4:10, Church Camp Road-4:12.

**Bus 994** (afternoon run only)

**Conner Street Elementary**-2:35, Graphic Solutions sign-2:40, Orchard Park Road-2:42, Coon Creek-2:44, Olde Orchard Subdivision-2:45, Bethel Baptist-2:46, Coleman Creek Road-2:49, Route 4 Box 225-2:52, Route 4 Box 213A-2:53, Route 4 Box 161-2:54, Dead End Sign-2:58, 2503 Hurricane Creek Road-3:02, 115 Route 19 Hurricane Creek-3:25, **Hurricane Middle**-3:38, Wolford Apts-3:43, Walnut Street-3:44, Beech Street-3:45, Cherry Street-3:46, Market Street-3:51, Pendleton Woods-3:52, Pine Street-3:53, Maple Street-3:54, **Hurricane High**-4:00, Wolford Apts-4:07, Beech Street-4:09, Cherry Street-4:10, Market Street-4:11, Pendleton Woods-4:11, Joy Lane-4:21, Willow Creek-4:22, Westwood Trailer Park-4:23, 2305 Thompson Road-4:24, Pinewood Street-4:28, Imperial Estates-4:29, Bryn Mawr Creek Road-4:33, Kingswood Estates turn around-4:36.

**Bus 1002**

AM Run

Box 192B house past TV8 Tower-6:38, Poplar Estates-6:41, Burns Road-6:42, Barrington Woods-6:44, Kara Lane-6:45, Box 202A South Poplar Road-6:47, Madison Way-6:48, Knights Court-6:49, Teays Village-6:50, E McClure Road-6:51, Maple Lane/McClure Road-6:52, Leslie Place-6:53, **Mountain View Elementary**-6:55

PM Run

**Mountain View Elementary**, Leslie Place-2:19, E McClure Road-2:20, McClure Road/Maple Lane-2:21, Teays Village-2:22, Knights Court-2:23, 137 Poplar Fork-2:24, Madison Way-2:25, 202A Poplar Fork-2:25, Kara Lane-2:28, Barrington Woods-2:31, 325 Poplar Fork-2:32, Burns Road-2:33, Poplar Estates-2:34, 486 Poplar Fork past fishing lake-2:35, 192B Poplar Fork across from TV8 Towers-2:35.

### **Bus 1003**

#### AM Run

Stuart Circle-6:55, Hurricane Apartments-6:56, Lexington Estates-6:57, Box 133-7:04, Joe's Branch-7:05, Box 253 1<sup>st</sup> driveway on Paul Road-7:08, Brendanwood Acres-7:09, Box 308 past old Jackson's Market-7:11, Box 339-7:13, Box 310-7:14, Pine Creek Entrance-7:18, Box59-3A-7:21, Leroy Road (Bee Hollow turn around)-7:22, Box 49A-7:24, **Lakeside Elementary-7:25, Hurricane Middle-7:33, Hurricane High-7:45.**

#### PM Run

**Hurricane Town Elementary**, Westwood Trailer Park-2:57, 104 Thompson Road-2:58, Clarmor Drive-2:58, 2320 Thompson Road-2:59, Imperial Estates-3:00, Kingswood Estates-3:03, Bryn Mawr Road-3:05, 167 Thompson Road-3:05, 168A & 157 Thompson Road-3:06, Top Tots Daycare-3:07, Box 2350 Route 60-3:09, Helen Drive-3:10, Lower Coach Road-3:12, 790 Midland Trail-3:13, **Hurricane Middle-3:14, Hurricane High-3:18**, Box 109-3:58, Turkey Creek/Trace Fork Box 117-4:00, Box 122A-4:02, Lick Creek Box 94-4:04, Box 94B-4:05, Box 108-4:08, Box 110-4:09, Turkey Creek Box 126A-4:15, Box 133-4:19, Box 142C-4:21, Box 143B-4:22, Box 164A-4:26.

### **Bus 1010**

#### AM Run

123 Lower Overlook Drive-6:33, 505 Lower Overlook Drive-6:34, 785 Lower Overlook Drive-6:35, Michael Circle Intersection-6:36, 520 Lower Overlook Drive-6:36, Sweet Gum Lane/Hickory Mills-6:40, Hickory Mills Road/Crown Point Drive-6:41, 1127 Hickory Mills Road-6:42, Cherry Valley Drive-6:44, All About Fun-6:45, Kathy Drive-6:48, Wedgewood Glen entrance-6:49, Sweetbriar-6:50, Olde Pine Drive-6:51, Lula Court-6:51, 211 Olde Pine Drive-6:52, Colonial Garden Apartments-6:53, Kathy Drive-6:55, 3573 Sleepy Hollow Road-6:57, Sleepy Hollow Condos-6:58, Highland Drive-6:58, **West Teays Elementary-7:00**, Sable Point Apartments-7:05, Carriage Way-7:08, Chemar Drive-7:09, Brierwood-7:14, Church Camp Road-7:15, Poplar Hills-7:16, **Hurricane Middle-7:35, Hurricane High-7:43.**

#### PM Run

**Hurricane Middle/High**, Sable Point-3:55, Granada Circle-4:02, Seville Apartment-4:03, Eldorado-4:04, Cordoba (1st entrance)-4:05, Cordoba (2<sup>nd</sup> entrance)-4:06, Seville Apartments-4:08, Oak Ridge-4:09, Country Villas-4:10, Hampton Crossing-4:11.

### **Bus 1106**

#### AM Run

417A Peach Ridge-6:30, 428 Peach Ridge-6:40, Box 359 Sleepy Creek Road-6:50, Box 381 Sleepy Creek-6:50, **Conner Street Elementary-7:15, Hurricane Middle-7:20, Hurricane High-7:25**, Beaver Drive-7:25, Mels Cove-7:25, Turn around at Y-7:35, **Hurricane High-7:50, Hurricane Middle-7:55.**

#### PM Run

**Conner Street Elementary**, Box 440 Peach Ridge-2:40, Box 415 Peach Ridge-2:48, Box 459 Sleepy Creek-3:07, Box 378 Sleepy Creek-3:12, **Hurricane Middle/High**, Beaver Drive-3:45, Mels Cove-3:52, Turn around at Y-3:55, John Street-4:00, Upper Overlook Drive-4:03, Box 501 Upper Overlook Drive-4:06, Gibson Road-4:09, Box 417A Peach Ridge-4:15, Box 425 Peach Ridge-4:19, Box 414 Peach Ridge-4:25, Box 359 Sleepy Creek-4:30, Box 412 Sleepy Creek-4:35, Box 373 Sleepy Creek-4:40, Box 378 Sleepy Creek-4:45.

### **Bus 1109**

#### AM Run

Main Street /Car Lot-6:50, Little Life Day Care-6:51, Wendy Jill Apartments-6:51, Rosewood Street 1<sup>st</sup> entrance-6:52, Charles Street-6:53, Mesa Manor-6:53, Hale Street-6:54, Woodside-6:55, Harbour Lane-6:55, Cline Avenue-6:56, Nicole Drive-6:57, Western Hills-6:58, Victorian Lane-6:58, Shaw Lane-6:59, 382 Harbour Lane-7:04, 380 Harbour Lane-7:04, Pendleton Place-7:03, Market Street-7:06, Hurricane Town Elementary-7:07, Maple Street-7:08, 124 Pine Street-7:10, Midland Trail/Route 34-7:14, **Hurricane Middle-7:15**, Main Street Gazebo-7:27, Little Life Day Care-7:28, Wendy Jill Apartments-7:29, Rosewood Place-7:29, 2568 Main Street-7:30, Howard Street/Conner Avenue-7:32, Hale Street-7:32, Wolford Townhouse-7:34, 154 Harbor Lane-7:35, Harbour Lane North-7:36, Pendleton Place/Elm-7:38, 376 Harbour Lane-7:38, Route 60 Lighthouse Baptist-7:42, Western Hills-7:44, 2455 Main Street-7:45, **Hurricane Town Elementary-7:45.**

#### PM Run

**Hurricane Middle/High**, Main Street Bridge-3:48, Hurricane Fire Department-3:49, Little Life Daycare-3:49, Wendy Jill Apartments-3:50, Rosewood Place-3:50, Charles Street-3:51, Mesa Manor-3:52, Hale Street-3:52, Woodside Terrace-3:53, Harbour Lane-3:53, Cline Avenue-3:54, Nicole Drive-3:54, Western Hills-3:55, Victorian Place-3:55, Shaw Lane-3:56, Route 60 Dairy

Queen-3:57, Lower Coach-3:58.

## **Bus 1202**

### AM Run

Highland Drive-6:40, Centralia Street-6:41, Wallace Street-6:42, 2462 Virginia Avenue-6:42, Diamond Drive (1<sup>st</sup> entrance)-6:43, Sapphire Drive (1<sup>st</sup> entrance)-6:43, Sapphire Drive (2<sup>nd</sup> entrance)-6:44, Emerald Drive (2<sup>nd</sup> entrance)-6:44, Cardinal Lane-6:45, Jamestown Way-6:45, Hampton Lane-6:46, Prado Drive (1<sup>st</sup> entrance)-6:46, Prado Drive (2<sup>nd</sup> entrance)-6:47, Meadow Avenue-6:47, Crandall Drive-6:48, 2306 Virginia Avenue-6:48, Hollybrook-6:52, Park Avenue-6:55, 2426 Benedict Road-6:56, 2353 Virginia Avenue-6:59, Jamestown Way-7:00, Diamond Drive (2<sup>nd</sup> entrance)-7:02, Diamond Drive (1<sup>st</sup> entrance)-7:02, Valley View Church-7:04, Sovine Road/Putnam Avenue-7:05, 2630 Virginia Avenue-7:06, Reynolds Street-7:07, **Conner Street Elementary**-7:13, Reynolds Street-7:15, Sovine Road/Putnam Avenue-7:16, Highland Drive-7:17, Centralia Street-7:17, 2476 Virginia Avenue-7:18, Wallace Street-7:19, Diamond Drive (1<sup>st</sup> entrance)-7:20, Sapphire Drive (1<sup>st</sup> entrance)-7:20, 2410 Virginia Avenue-7:21, Jamestown Way-7:22, Hampton Lane-7:22, Prado (2<sup>nd</sup> entrance)-7:23, East 1<sup>st</sup> Street-7:24, 1<sup>st</sup> Street-7:25, **Hurricane Middle**-7:35, **Hurricane High**-7:45.

### PM Run

**Conner Street Elementary**, Reynolds Street-2:38, 2632 Virginia Avenue-2:39, Sovine Road-2:40, Highland Drive-2:42, Centralia Street-2:43, 2476 Virginia Avenue-2:45, Wallace Street-2:45, 2462 Virginia Avenue-2:46, Diamond Drive (1<sup>st</sup> entrance)-2:47, Diamond Drive (2<sup>nd</sup> entrance)-2:48, Sapphire Drive (1<sup>st</sup> entrance)-2:49, Sapphire Drive (2<sup>nd</sup> entrance)-2:49, Emerald Drive (1<sup>st</sup> entrance)-2:50, Emerald Drive (2<sup>nd</sup> entrance)-2:50, Cardinal Lane-2:51, Jamestown Way-2:52, 2336 CIMCO-2:53, Hampton Lane-2:55, Shaw Lane-2:55, Prado Drive (1<sup>st</sup> entrance)-2:56, Prado Drive (2<sup>nd</sup> entrance)-2:56, Meadow Drive-2:58, Crandall Drive-3:00, Hollybrook-3:04, 2426 Benedict Road-3:04, Lighthouse Baptist-3:08, **Hurricane Middle**, Reynolds Street/Virginia Avenue-3:43, Conner Street-3:45, **Hurricane High**, 2948 Virginia Avenue-4:00, Conner Street-4:00, Reynolds Street-4:02, Sovine Road-4:03, Highland Street-4:04, Centralia Street-4:05, 2476 Virginia Avenue-4:05, Wallace Street-4:06, Diamond Drive (1<sup>st</sup> entrance)-4:07, Diamond Drive (2<sup>nd</sup> entrance)-4:07, Sapphire Drive (1<sup>st</sup> entrance)-4:08, Sapphire Drive (2<sup>nd</sup> entrance)-4:08, 2410 Virginia Avenue-4:09, Cardinal Lane-4:09, Jamestown Way-4:10, Hampton Lane-4:11 Prado Drive (2<sup>nd</sup> entrance)-4:12, Meadow Avenue-4:12, Crandall Drive-4:13, 2306 Virginia Avenue-4:13, Hollybrook-4:16, Park Avenue-4:19, 2426 Benedict Road-

4:20, East 1<sup>st</sup> Street-4:22, 1<sup>st</sup> Street-4:23, Garrett Street-4:26.

### **Bus 1205**

#### AM Run

Big Creek-6:30, Big Creek Turn around at Cemetery-6:36, Harvey Creek-6:45, Hungry Creek-7:00, Buzzard Creek-7:03, Mecham Hill top-7:06, Johnny Moore Hill-7:09, Lake Hollow-7:14, **Lakeside Elementary**, Surry Drive-7:21, **Hurricane Middle**, Ada Dell 4-way stop-7:25, **Conner Street Elementary**, **Hurricane High**.

#### PM Run

**Conner Street Elementary**, Ada Dell Avenue-2:30, Cross walk Hurricane Middle-2:35, Surry Drive-2:36, **Lakeside Elementary**, Daniel Boone Trail-2:50, Forrest Burdette-3:00, **Hurricane High**, Ada Dell 3:45, **Hurricane Middle**, Surry Lane-3:48, Lake Hollow Road-4:00, Just past Kelly's Creek-4:04, Mecham Hill top-4:08, Buzzard Creek-4:11, Right before Lincoln Co line-4:12, Big Creek-4:15, Church Big Creek-4:22.

### **Bus 1206**

#### AM Run

262 Sycamore Road-6:57, Craft's Sycamore Road-7:04, Church of Christ Laywell-7:08, Rice's Sycamore Road-7:11, End of Charley's Creek-7:14, Panther Lick-7:16, Linden Lane-7:18, End of Upper Coach Road-7:20, Willarose Road-7:22, Dairy Queen-7:25, Lighthouse Baptist Church-7:26, Lower Coach Road-7:27, **Lakeside Elementary**-7:30, **Hurricane Middle**-7:45, **Hurricane High**-7:50.

#### PM Run

**Lakeside Elementary**, Lighthouse Baptist Church-2:56, Poplar Drive-2:56, Willarose Road-2:57, Lake Drive-2:58, Linden Lane-3:00, End of Panther Lick-3:04, End Charley's Creek Road-3:06, Panther Branch Road-3:13, End of Sycamore Ridge Road-3:17, **Hurricane High/Middle**, Sahara Tanning-4:05, Lighthouse Baptist-4:06, Willard Circle-4:08, 122 Southwest-4:09, Walnut Drive & Hickory Street-4:09, Poplar Drive & Oak Street-4:11, 126 Poplar Drive-4:11, Willarose Drive-4:13, End of Sycamore Lane-4:13, End of Lake Drive-4:15, Linden Lane-4:17, End of Charley's Creek-4:20, Panther Branch-4:23, End of Sycamore Ridge Road-4:25.

**Bus 2003** (afternoon run only)



**Conner Street Elementary**, Forrest Burdette-2:33, End of Poindexter-2:52, 319 Trace Creek-2:58, 307A Trace Creek-2:59, 389 Trace Creek-3:00, 304 Trace Creek-3:03, Gravel road on right-3:05, Trace Creek old barn & junk yard-3:10, **Hurricane High, Hurricane Middle**, Stuart Circle-3:50, Lexington Estates-3:51, Joe's Branch-3:54, Sam's Fork, Haber's-3:58, Sam's Fork, Taylor-4:03, House after covered bridge-4:05, Trace Fork-4:11, Trace Fork, Francisco-4:33.

### **Bus 2005**

#### AM Run

Route 2 Box 175, Turkey Creek-6:31, Route 2 Box 164A, Turkey Creek-6:35, Route 2 Box 142A, Turkey Creek-6:41, Route 2 Box 141-6:42, Route 2 Box 134-6:43, Route 2 Box 124 Turkey Creek-6:46, Route 2 Box 125 ½, Turkey Creek-6:49, Route 3 Box 94, Lick Creek-6:51, Route 3 Box 102, Lick Creek-6:54, Route 3 Box 106-A-6:56, Route 3 Box 109A-7:01, Route 2 Box 122A, Turkey Creek-7:08, Route 2 Box 117-7:12, **Lakeside Elementary-7:25, Hurricane Middle-7:27, Hurricane High-7:35.**

#### PM Run

**Lakeside Elementary**, Route 2 Box48A, Route 34 South-2:51, Route 2 Box 73 Route 34-2:55, Route 2 Box 79A-2:57, Route 2 Box 87-3:00, 1611 Hamlin Road-3:03, Route 2 Box 103-3:03, Route 2 Box 122A, Turkey Creek-3:07, Route 3 Box 94, Lick Creek-3:10, Route 3 Box 102, Lick Creek-3:13, Route 3 Box 106A, Lick Creek-3:14, Route 2 Box 125 1/2, Turkey Creek-3:24, 2432 Turkey Creek Road-3:27, Route 2 Box 134, Turkey Creek-3:32, Route 2 Box 142A, Turkey Creek-3:35, Route 2 Box 146C-3:37, Route 2 Box 175D, Turkey Creek-3:43, Route 2 Box 175D, Turkey Creek Road.

### **Bus 2111** (afternoon run only)

**Mountain View**-Godfrey's Animal Clinic-2:16, Mt Vernon Meadows-2:17, Weather Ridge Drive-2:18, Tune Up Alley-2:18, Fox Run-2:21, Green Acres-2:23, Carriage Way-2:25, Almost Home Daycare-2:30.

### **Bus 2201**

#### AM Run

Top of Washington Hill Road-6:15, 184 Washington Hill Road-6:19, 180 Washington Hill Road-6:20, Route 4 Box 217-6:25, Coleman Creek Road-6:27, Route 4 Box 294-6:37, Route 4 Box 304-6:43, Route 4 Box 307-6:44, Route 4 Box 308-6:44, 1411 Poindexter Road-6:50, Poindexter and Hurricane Creek-7:03, Bethel Baptist Church -7:04, Coon Creek-7:07, Orchard Park Drive 3 way stop-7:11, Route 4 Box 389-7:13, **Conner Street Elementary-7:25, Hurricane Middle-7:30, Hurricane High-7:35.**

#### PM Run

**West Teays Elementary**, Mill Creek Crossing-2:35, New London Commons-2:38, Sleepy Hollow Township-2:41, 805 Fairway Gardens-2:42, Arbaugh Drive-2:43, Arrowhead Drive-2:48, Sweet Gum Lane-2:49, Crown Point Drive-2:50, Forest Drive-2:50, **Hurricane Middle/High**, Bethel Baptist-3:55, Box 317 Trace Creek-4:00, Box 307A Trace Creek-4:13, Box 289 Trace Creek-4:04, Mason/Putnam Line-4:07, Coleman Creek-4:24, 224 Hurricane Creek-4:25, 217 Hurricane Creek-4:26, Entrance Washington Hill Road-4:27, Bottom of Washington Hill-4:30.

#### **Bus 2202**

##### AM Run

Lake Chadesa Drive-6:40, Shannon Drive-6:42, 105 Marina Drive-6:43, Mount Vernon Apartments-6:45, White Pines-6:46, Red Deer Apartments-6:47, Glen Oaks-6:48, Candlewyck-6:49, 2026 Mount Vernon Road-6:49, Wood's & Irons-6:51, Gladewood Street-6:52, Willowood Street-6:52, Country Club Drive-6:53, 55 Sherwood Circle-6:54, Maury Village-6:58, **Mountain View Elementary-7:01.**

##### PM Run

**Mountain View Elementary**, Tiny Blessings Day Care-2:17, Litchfield-2:17, Apartments just past Mt. Vernon Church-2:18, White Pines-2:19, Red Deer Apartments-2:20, Glen Oaks-2:21, Candlewyck-2:23, 2026 Mount Vernon Road-2:25, 2006 Mount Vernon Road-2:25, Woods & Irons-2:26, Gladewood-2:27, Willowood-2:27, Country Club Drive-2:28, Sherwood Circle-2:30, PJ's Daycare-2:38.

#### **Bus 2301**

##### AM Run

Sam's Fork-6:30, Woods Drive-6:33, Stanley's Sam's Fork-6:36, Martin Branch Road-6:42, Trailer Park Martin Branch Road-6:52, Lewis Creek -7:00, Mynes Road-7:11, **Lakeside Elementary** -7:24, **Hurricane Middle** -7:34, **Hurricane High** -7:45.

PM Run

**Lakeside Elementary**, Lexington Estates-2:55, Par Four-2:57, Pine Mount Road-3:00, Donna Lane-3:02, End of Hodges Road-3:05 Sam's Fork-3:06, Lewis Road-3:06, Lower Trace Fork-3:20, Upper Trace Fork-3:26, Torman Cemetary-3:28.

**Bus 2304**

AM Run

Clymer's Creek Turn around -6:35, End of Clymer's Creek -6:50, Begin Kelly's Creek -6:53, Lonesome Cedars Cabin-6:55, End Kelly's Creek -7:00, Buff Creek-7:02, Killer Bee Sign-7:05, Caldwell Farm-7:13, Null's-7:16, **Lakeside Elementary**-7:20, **Hurricane Middle** -7:25, **Hurricane High**-7:40.

PM Run

**Lakeside Elementary**, Buff Creek-2:53, Caldwell Farm-2:58, Kellys Creek-3:00, Farleys Hotdogs-3:08, **Hurricane Middle/High**, Buff Creek-3:48, Caldwell Farm-3:55, Killer Bee Farm-4:03, Kelly Creek-4:05, Lonesome Cedar Cabin-4:11, Clymers Creek-4:20.

**Bus 2305**

AM Run

Godfrey's Vet-6:37, Mount Vernon Meadows-6:38, Weather Ridge Drive-6:38, Teays Valley Import-6:39, Green Acres-6:42, Sable Point-6:44, Carriage Way-6:48, **Mountain View Elementary**-6:49, Marina Drive (Tiny Blessing)-6:56, Shan Lane-6:57, Sleepy Hollow Condo's-6:58, Lake Chedesa-7:02, Mount Vernon Meadows-7:05, Sleepy Hollow Golf Course-7:08, Wedgewood Glen-7:10, Forest Brooke-7:11, Lula Court-7:13, **Hurricane High**.

PM Run

**Mountain View Elementary**, Sable Point-2:15, **West Teays Elementary**, Forest Burdette-2:40, **Lakeside Elementary**, Clymers Creek-3:00, Big Creek-3:45.

**Bus 2504**

AM Run

½ mile past Crecora Lane-6:22, Crecora Lane-6:25, 397 Bryans Branch-6:34, Box 394 Adkins Fork-6:37, Box 389 Adkins Fork-6:45, Shadywood Lane-6:52, Russell Road Intersection-6:54, Box 195 Route 60-6:55, Box 190E Route 60-6:56, Box 198A Route 60-6:58, Hodges Road-7:01, Snag Creek-7:01, Box 229A Mynes Road-7:07, Rider Creek-7:10, **Lakeside Elementary-7:22, Hurricane Middle-7:26, Hurricane High-7:30.**

#### PM Run

**West Teays Elementary**, Rosewood Point-2:33, Maple Road-2:35, Steeple Chase-2:36, 509 Sunnybrook-2:38, Hayes Lane-2:40, 419 Sunnybrook-2:41, Chapman Lane Intersection-2:42, Blossom Way-2:43, Autumn Winds-2:44, Little Life Daycare-2:45, Main Street-2:48, **Hurricane Town Elementary**, Maple Street-2:58, 125 Pine Street-2:59, 115 Pine Street-3:00, Lighthouse Baptist Church-3:02, Forrest Burdette Methodist Church-3:09, **Hurricane High/Middle**, Turn around Route 60-3:56, Mount Vernon Drive-3:58, Henson Road-4:00, Stewart Road-4:02, Box 358 Stewart Road-2, Box 270 Paul Lane-4:10, Old Ice Company-4:10, Riders Creek-4:11, Hodges Road-4:20, Top of Coal Mountain-4:24, Brown's Creek/Russell Road-4:27, Shadywood Lane-4:28, Adkins Branch-4:31, Box 396-D-4:33, Bryans Branch Intersection-4:40, Crecora Lane-4:47,

#### **Bus 2605**

#### AM Run

Thistlewood-6:24, 241 Teays Lane-6:25, Hickory Hills & Precious Acres-6:27, 105 Teays Hollow-6:29, 123 Teays Hollow-6:31, Carol Drive-6:34, Teays Lane Trailer Park-6:38, Granada Circle-6:43, Seville Townhouse-6:44, Eldorado Acres-6:45, Cordoba-6:45, 576 Seville Apartments-6:46, Country Villas-6:47, Mt. Vernon Road Apartments-6:47, **Mountain View Elementary-6:53**, City National Bank-6:55, Leslie Place-6:55, Maple Lane-6:56, Teays Village-6:57, South Poplar Fork Road-6:58, Kara Lane-6:59, Barrington Estates-7:00, 351 South Poplar-7:02, Burns Road-7:03, 420 South Poplar-7:04, Whippoorwill-7:05, Teays Lane-7:09, Teays Lane Trailer Park-7:09, Brendon Park-7:10, 105 Teays Hollow Road-7:12, 302 Teays Lane-7:17, Hickory Hills/Precious Acres-7:18, 220 Teays Lane-7:19, Thor Fields-7:21, Thistlewood-7:22, **Hurricane High-7:35, Hurricane Middle-7:45.** (Times may vary due to Rail Road Crossings)

#### PM Run

**Mountain View Elementary**, My Family Daycare-2:18, Granada Circle-2:19, Seville

Apartments-2:18 Eldorado Acres-2:20, 11 Seville Drive – 2:20, Cordoba Drive-2:20, Thistlewood-2:22, Thor Fields-2:24, Davis Drive-2:24, Hickory Hills/Precious Acres-2:25, 105 Teays Hollow-2:26, 108 Teays Hollow Road-2:27, 123 Teays Hollow Road-2:28, 126 Teays Hollow-2:28, Brenden Park-2:32, Teays Lane Trailer Park-2:33, **Hurricane Middle, Hurricane High** , Thistlewood-3:55, Thor Fields-3:57, 220 Teays Lane-3:57, Davis Drive-3:58, Hickory Hills/Precious Acres-3:59, 302 Teays Lane-4:00, 105 Teays Hollow Road-4:01, 300 Teays Lane-4:05, Carol Drive-4:06, Teays Lane Trailer Park-4:08, 239 South Poplar-4:10, Kara Lane-4:11, Barrington Estates-4:12, 315 South Poplar-4:12, 351 South Poplar-4:13, Burns Road-4:14, 423 South Poplar-4:15.

### **Bus 2606**

#### AM Run

Ada Baptist Church-6:12, Sugar Camp Road-6:20, Jamestown-6:40, Young's-6:40, Right Fork Cow Creek-6:44, Wallace Woods-6:52, Woodridge-6:55, 1020 Crestmont-6:56, 1042 Crestmont-6:58, 2003 Branchside-6:59, 2007 Branchside-7:00, Valley View Estates-7:04, **Conner Street Elementary -7:15, Hurricane Middle-7:21, Hurricane High-7:26.**

#### PM Run

**West Teays Elementary**, Morning Road-2:31, Church-2:34, Division Street-2:38, Mary Street-2:39, Blooming Drive-2:41, Carpenter Street-2:45, 4013 Ridgeview-2:47, 4040 Ridgeview-2:49, Virginia Avenue on hill-2:50 **Hurricane Town Elementary**, Whitts Farm Supply-3:00, Conner Avenue-3:02, Mesa Manor-3:03, Charles Street-3:06, Rosewood-3:07, Wendy Jill Apartments-3:10, Little Life Day Care-3:11, Putnam County Bank-3:12, Allen's Funeral Home-3:13, Rhoda Street-3:14, High School Avenue-3:15, Dudding Avenue-3:15, **Hurricane Middle, Hurricane High**, Valley View-3:54, 1015 Crestmont-3:58, 1020 Crestmont-3:59, 1042 Crestmont-4:00, Pinnacle-4:02, Right Fork Cow Creek Road-4:03, Wallace Woods-4:09, Jamestown-4:20, Sugar Camp Road-4:25.

### **Bus 2702**

#### AM Run

Tackett's Branch Road & Englewood Estates-6:37, Mel's Cove-6:43, Dogwood Subdivision-6:47, Sunnybrook Road-6:48, Rosewood/McClung-6:51, End of McClung-6:52, Brookshire-6:54, Sterling Drive-6:55, Parkview- 6:55, Meadowbrook-6:56, **West Teays Elementary**-7:02, Mount Vernon Church-7:08, Prestige Apartments-7:09, White Pines-7:10, 2019 Mount Vernon Road-7:11, Mount Vernon Circle-7:12, Red Deer Apartments-7:13, Glen Oaks-7:14, Candlewyck Place-7:15, Woods & Irons-7:17, Maury Village Apartments & Cheyenne Valley-7:21, **Hurricane Middle**-7:55, **Hurricane High**-8:10.

#### PM Run

**West Teays Elementary**, Oak Street-2:31, Morgan Court-2:32, Lula Circle-2:35, Timberline Trail-2:36, Old Pine & Plantation-2:37, Meadow Ridge-2:39, End of Brookgreen-2:42, North Ridge-2:43, Forestbrook 2<sup>nd</sup> Entrance-2:44, Wedgewood Glen-2:45, Englewood Subdivision-2:50, **Hurricane Middle/High**, 1020 Mount Vernon Road-3:55, Maury Village Apartments & Cheyenne Valley-3:59, Woods & Irons-4:01, Gladewood-4:02, Willowood Circle-4:03, Sherwood Circle-4:04, Country Club-4:05, 2011 Mount Vernon Road-4:07, Candlewyck Place-4:09, Glen Oaks Subdivision-4:10, Red Deer Apartments-4:11, White Pines-4:12, Prestige Apartments-4:13, Mount Vernon Church-4:14, Litchfield Place-4:15.

#### **Bus 2704**

#### AM Run

5234 Route 34-6:47, Carlisle Street-6:49, 3219 Virginia Avenue-6:50, Division Street stop sign-6:51, Mary Street-6:52, 3405 Virginia Avenue-6:53, 4415 Virginia Avenue-6:53, 4415 Virginia Avenue-6:54, 3555 Virginia Avenue-6:55, 3516 Carpenter Avenue-6:57, 3522 Carpenter Avenue-6:58, 4000 Ridge View Lane-6:59, 4121 Ridge View Lane-7:00, Rose Crest-7:01, 3229 Morning Road-7:03, 16 Doris Street-7:03, **West Teays**-7:10, Park View-7:15, Meadow Brook-7:16, Sterling Drive-7:17, Winsor Court-7:18, Brookshire-7:19, Cambridge-7:20, Rosewood -7:21, Forest Road-7:22, Steeple Chase-7:24, Lin Muir Lane-7:25, Sunnybrook-7:25, Hayes Lane-7:26, Chapman Road-7:26, Dogwood Estates-7:27, 310 Sunnybrook Drive-7:27, 118 Sunnybrook Drive-7:28, Crown Point Drive-7:30, Forest Drive-7:30, 1139 Hickory Mill Road-7:31, Creek Side Sports Pub-7:33, **Hurricane High**-7:30, **Hurricane Middle**-7:45.

#### PM Run

**Conner Street Elementary**, Fruth Pharmacy-2:37, Cow Creek-2:38, Woodridge Estates-2:45,

Box 21 Cow Creek-2:49, 86 Cow Creek-2:50, 99 Cow Creek-2:51, 114A Cow Creek-2:52, 122 Cow Creek-2:53, 1340 Sugar Camp-3:00, 1402 Sugar Camp-3:01, 1531 Sugar Camp-3:02, 400 Sugar Camp-3:03, **Hurricane Middle/High**, Pleasant View Drive-3:55, Arrowhead Drive-3:56, Sweet Gum Lane-3:57, Moss Creek Drive-3:58, Crown Point Drive-3:59, Forest Drive-4:00, 1135 Hickory Mill-4:01, 118 Sunnybrook-4:06, Dogwood Estates-4:08, Chapman Road-4:09, Hayes Lane-4:10, Lin Muir-4:12, Steeple Chase Drive-4:13, 547 Steeple Chase-4:14, Forest Road-4:15, Rosewood-4:15, Cambridge Estates-4:16, Brookshire-4:16, Winsor Court-4:17, Sterling Drive-4:17, Parkview/Ellis Drive-4:18, Creek Side Sports Pub-4:19.

### **Bus 2803**

#### AM Run

Rhoda Street-7:03, Reeder Law Office-7:04, Joy Lane-7:09, Westwood Trailer Park-7:10, Tabernacle of Praise-7:12, Imperial Estates-7:13, Clarmor Drive-7:20, Willow Creek-7:21, End of Hickory-7:23, Oak/Poplar intersection-7:24, Grandview Drive-7:26, Sycamore lane-7:30, Dairy Queen-7:32, 112 Pine Street-7:35, **Hurricane Town Elementary**.

#### PM Run

**Mountain View Elementary**, Marina Drive-2:17, Lake Chadesa Drive-2:19, Hampton Crossing-2:22, Maury Village-2:26, Country Villas/Cedar Drive-2:28, **Lakeside Elementary**, Stuart Circle-2:49, Young Lane-2:55, Joe's Branch-2:57, Stricklin Road Sign-2:58, Brendonwood Lane-3:02, Paul Road-3:02, One Accord Church-3:06, Adkins Branch-3:10, Woods Drive-3:15.

### **Bus 2904**

#### AM Run

Viancia Court-6:50, New London Commons-6:53, Fox Run-6:54, White Rock Road-6:55, Granada Circle-6:57, Seville Town House-6:57, Eldorado Acres-6:58, Cordoba (1<sup>st</sup> entrance)-6:59, Cordoba (2<sup>nd</sup> entrance)-6:59, Country Villas-7:00, Hampton Crossing-7:01, 1012 Mount Vernon Road-7:01, Weatherridge Drive-7:02, Thomas Circle-7:13, Gibson Road-7:13, 257 Irene Circle-7:14, **Hurricane High**, 16 Doris Street-7:15, 3229 Morning Road-7:15, Methodist Church-7:16, Division Street-7:17, Box 202 Bloomingdale-7:18, Box 4026 Bloomingdale-7:20, Box 4035 Bloomingdale-7:21, **Hurricane Middle**.

#### PM Run

**Hurricane Town Elementary**, Market Street (1<sup>st</sup> entrance)-2:55, Market Street (2<sup>nd</sup> entrance)-

2:56, Pendleton Street-2:57, Kelly's Cove-2:59, Willard Circle-3:05, Piedmont-3:06, Lake Drive-3:08, Sycamore Lane-3:11, Willarose-3:13, South West Street-3:14, **Hurricane Middle**, **Hurricane High**, 1<sup>st</sup> driveway on right past Tacketts Branch-3:49, Sigler-3:50, Cherry Valley-3:51, Viancia Court-3:52, Southbrook-3:54, Mill Creek-3:56, New London Commons-3:57, Carriage Way-3:58, Mount Vernon Meadows-4:00, Weatherridge-4:05.



## POCA AREA

### Bus 1007

#### AM Run

Mt. Zion Road-6:35, 163 Jim Ridge-6:36, OK Hill-6:37, Jim Ridge/Bowles Ridge split-6:39, Sulug Road-6:44, 143A Bowles Ridge-6:45, 142 Bowles Ridge-6:46, Painter Fork-6:48, 174 Bowles Ridge-6:51, Dud Bennett Road-6:55, 186 Bowles Ridge-7:00, 192 Bowles Ridge-7:01, 193 Bowles Ridge-7:02, 196 Bowles Ridge-7:02, 201 Bowles Ridge-7:04, 206 Bowles Ridge-7:05, **Confidence Elementary-7:09, Poca Middle, Poca High.**

#### PM Run

**Poca Middle/ High**, Route 34 Fire Station-3:55, HC 63 Box 60-3:57, **Confidence Elementary** (transfer)-4:00, HC63 Box 358 Red House-4:02, 206 Bowles Ridge-4:03, 204 Bowles Ridge-4:04, Painter Fork-4:11, Sulug Road-4:15, OK Hill-4:21.

### Bus 1107

#### AM Run

Limeberger Creek Road-6:40, Mobile Home Park-6:41, Woodland Drive-6:51, Cemetery Road-6:52, Vincent Drive-6:55, Walnut Drive-6:55, Carriage Way-6:56, End of Asbury Road-6:59, Carriage Way pathway-7:01, Salon bottom of hill-7:04, **Rock Branch Elementary-7:06**, Sheetz-7:07, Quality Plus Auto-7:07, Poca High-7:08, **Poca Elementary/Middle-7:13**, Town & Country Feed Store-7:21, 2<sup>nd</sup> Street Old Chevron Station-7:26, Go Mart Nitro-7:28, Town & Country Feed Store-7:35, **Poca High-7:37, Poca Middle-7:42.**

#### PM Run

**Rock Branch**, 114 Woodland-2:36, Cemetery Road-2:40, End of Woodland Drive-2:42, Vincent Drive-2:43, Walnut Drive-2:44, Entrance of Asbury-2:48, Limeberger Creek Road-2:49, Trailer Park-2:53, Jasper Drive-2:58, **Poca Middle-3:05**, Armour Road-3:18, Woodland Drive-3:20, Cemetery Road-3:21, Walnut Drive-3:22, End of Asbury Road-3:23, Apartments-3:28, Beauty Salon-3:30, Rock Branch Car Wash-3:35, **Poca High-3:45**, Rock Branch Car Wash-3:52, Sheetz-3:53, Across from Town & Country Feed-3:55, Armour Road-3:56, Old Chevron Station-4:00, Go Mart-4:02, Cemetery Road-4:08, Walnut Drive-4:09, Carriage Way-4:10, End of Asbury-4:11, Bottom of hill before Salon-4:12, Trailer Park-4:17, Jasper Drive-4:19.

### **Bus 1108**

#### AM Run

Elizabeth Road & Dairy Road-6:42, Evergreen Circle-6:43, Oakmont Drive-6:46, 2<sup>nd</sup> Street & Wright Road-6:53, Park Place Mobile Home Park-6:54, Valley Brooke Mobile Home Park-6:56, Town & Country-6:58, **Rock Branch Elementary**-6:59, Dupont Road-7:14, Country Roads Mobile Home Park-7:18, Poplar Point Drive-7:22, Backwater Drive-7:23, Chris Road-7:24, River Valley Subdivision-7:26, Dairy Road-7:28, **Poca High**-7:38, **Poca Middle**-7:43, **Poca Elementary**-7:45.

#### PM Run

**Rock Branch Elementary**, Park Place Trailer Park-2:36, Glass Addition (Cross Street)-2:38, 2<sup>nd</sup> Street & Wright Road-2:40, Evergreen Circle-2:43, Oakmont Drive-2:46, 120 Oakmont Drive-2:47, Oakmont & Dairy Road-2:48, **Poca Elementary/ Middle**, Dairy Road-3:20, Chris Road-3:23, Backwater Drive-3:24, Poplar Point-3:27, County Roads Mobile Home Park-3:28.

### **Bus 2004 (afternoon run only)**

**Rock Branch Elementary**, 4517 1<sup>st</sup> Avenue-2:37, Valley Brooke Mobile Home Park-2:39, Old Marathon Station-2:42, Go Mart-2:44, 39<sup>th</sup> Street-2:47, Armour Road-2:51, **Poca Elementary**, **Poca Middle**-3:10, , Sigman Road-3:13, 73 1<sup>st</sup> Avenue-3:15, River Road & 2<sup>nd</sup> Street-3:17, Lot 12-13-3:18, Smith Concrete-3:24, **Poca High**-3:40, River Valley Entrance-3:42, Intersection Doc Bailey Road-3:46, End of Bridge-3:48, Country Roads Trailer Park-3:52, 1518 Poca River Road-4:10, 24 Burford Drive-4:12, Eagle Road-4:17, 2458 Poca River Road-4:18, 2602 Poca River Road-4:20, 2717 Poca River Road-4:21, 903 Harmons Creek Road-4:28, 955 Harmons Creek-4:31, 3016 Poca River Road-4:40, 2032 Poca River Road-4:44, Beach Hill-4:46.

### **Bus 2108**

#### AM Run

Old Confidence Elementary-7:05, HC 63 Box 145 Red House-7:07, HC 63 Box 10-7:09, Route 1 Box 103D-7:12, Route 1 Box 93C-7:13, Lone Oak Road-7:14, Round Knob Road-7:16, Lime Kiln-7:17, Dave's Den-7:19, Red House Methodist Church-7:19, Route 1 Box 37AB-7:20, Hometown Trailer Park-7:24, Hometown Tire-7:25, 121A Route 62-7:29, Route 1 Box 69J-7:38, Poca High-7:40, Gino's Pizza Poca-7:43 **Poca Middle/Elementary**.

PM Run

**Hometown Elementary**, Bancroft Post Office-2:33, Route 62 Black Betsy Road-2:38, **Poca Middle**, Gino's-3:11, Route 62 Main Street-3:12, Route 1 Box 69J-3:13, Delta Road-3:14, Sam's Hot Dogs-3:15, Hendricks Trailer Park-3:16, **Rock Branch Elementary**, **Poca High**, Gino's Pizza-3:42, Silver Street-3:43, Route 62 121A-3:48, Hometown Park-3:51, Hometown Tire-3:52, Hometown Trailer Park-3:53, Route 1 Box 37AB-3:54, Route 1 Box 37F-3:54, Dave's Den-3:55, Old Ferry Road-3:56, Lime Kiln-4:00, Round Knob Road-4:01, Lone Oak Road-4:01, Route 1 Box 86-2-4:02, Route 1 Box 93C-4:03, Route 1 Box 103D-4:05, Route 1 Box 113-4:07, Casto's Farm Store-4:08, Route 1 Box 125B-4:10, Matthews Road-4:15.

**Bus 2110**

AM Run

80 Hulbert Heights-6:47, Eastwood Acres-6:49, 40<sup>th</sup> Street & Bailes Drive-6:52, 40<sup>th</sup> Street & 2<sup>nd</sup> Avenue-6:55, 27<sup>th</sup> Street Nitro-6:57, Go Mart-6:58, Dairy Queen-6:59, 1<sup>st</sup> Avenue Apartments past Pilot-7:01, **Rock Branch Elementary**-7:06, Cochran Lane Hulbert Heights-7:16, 80 Hulbert Heights-7:17, Eastwood Acres-7:18, Easter Road-7:22, Bailes Drive-7:24, 40<sup>th</sup> Street & 2<sup>nd</sup> Avenue-7:26, **Poca High**-7:36, **Poca Middle**-7:45.

PM Run

**Rock Branch Elementary**-40<sup>th</sup> Street & 2<sup>nd</sup> Avenue-2:36, Bailes Drive-2:37, 80 Hulbert Heights-2:39, Eastwood Acres-2:40, Circle Drive-2:41, **Poca Middle**- 27<sup>th</sup> & 32<sup>nd</sup> Street-3:17, 40<sup>th</sup> Street & 2<sup>nd</sup> Avenue-3:20, Bailes Drive-3:21, Cochran Lane Hulbert Heights-3:23, 80 Hulbert Heights-3:23, Eastwood Acres-3:24, **Poca High**- Town & Country-3:45, 40<sup>th</sup> Street & 2<sup>nd</sup> Avenue-3:50, Bailes Drive-3:52, Easter Road-3:55.

**Bus 2204**

AM Run

194 Mt Etna Road-6:41, 195AB Mt Etna Road-6:42, 197C Mt Etna Road-6:45, 198C Mt Etna Road-6:52, 199 Mt Etna Road-6:54, 199A Mt Etna Road-6:56, 201B Manilla Creek Road-7:00, 203 Manilla Creek Road-7:03, 210C Manilla Creek Road-7:05, 212 Manilla Creek Road-7:06, 217 Manilla Creek Road-7:16, 220 Manilla Creek Road-7:18, 226 Manilla Creek Road-7:19, 228 Manilla Creek Road-7:19, 229 Manilla Creek Road-7:19, 230 Manilla Creek Road-7:20, 231 Manilla Creek Road-7:20, 1st Street Raymond City Bottom -7:25, 80A River Street-7:26, 77 River Street-7:27, Behind Claxton Smiths-7:28, **Poca Middle**-7:30, **Poca Elementary**-7:32,

**Poca High-7:36.**

PM Run

**Poca Elementary**, Route 62 past sewer plant-3:19, Route 62 apartments-3:22, Old Putnam Fab-3:27, Farley Hollow Road-3:30, Bancroft Post Office-3:31, **Poca High**, Missy's Pet Shop-3:47, 231 Manilla Creek Road-3:53, 230 Manilla Creek Road-3:54, 229 Manilla Creek Road-3:54, 228 Manilla Creek Road-3:55, 226 Dickson Hollow-3:57, 220 Manilla Creek Road-3:57, 218E Manilla Creek Road-3:58, 217 Manilla Creek Road-3:59, 212 Manilla Creek Road-4:05, 210C Manilla Creek Road-4:06, 203 Manilla Creek Road-4:07, 201B Manilla Creek Road-4:08, 199A Mt Etna Road-4:10, 199 Mt Etna Road-4:11, 198A Mt Etna Road-4:12, 197C Mt Etna Road-4:16, 195AB Mt Etna Road-4:17, 194 Mt Etna Road-4:18.

**Bus 2302**

AM Run

Ghost Hollow-6:30, Route 34 ½ mile before Liberty Store-7:05, Route 34 near Liberty Store-7:07, Crooked Ridge Road-7:10, **Confidence Elementary-7:15.**

PM Run

Bowles Ridge entrance to cemetery-2:36, Bottom Roy Bennett Hill-2:38, 136-A Fisher Ridge Road-2:42, Route 1 box 128 Fisher Ridge Road-2:50, Just past Winery-2:56, Breezy Lane-2:57, Just past Monday Road-3:06, Clendenin Creek Road-3:11, Old Confidence Elementary-3:35, Manilla Creek-4:07, Stumpy Road-4:08, Scott Ridge Road-4:10, , Crooked Ridge Road-4:24, Fisher Ridge Road-4:28, Breezy Lane-4:34, Route 1 Box 127 Fisher Ridge Road-4:40.

**Bus 2503**

AM Run

1210 Poca River Road-6:25, 1294 Poca River Road-6:26, 1475 Poca River Road-6:27, 1624 Poca River Road-6:27, 24 Burford Road-6:28, 1986 Poca River Road-6:29, 23 Smith Road-6:30, 2238 Poca River Road-6:31, 150 Eagle Hole Road-6:32, 2468 Poca River Road-6:33, 2474 Poca River Road-6:33, 2570 Poca River Road-6:34, 2717 Poca River Road-6:36, 362 Harmons Creek Road-6:37, 955 Harmons Creek Road-6:39, 903 Harmons Creek Road-6:40, 801 Harmons Creek Road-6:42, 323 Harmons Creek Road-6:51, 122 Harmons Creek Road-6:56, 2826 Poca River Road-6:57, 3016 Poca River Road-6:59, 2032 Poca River Road-7:02, 1649 Poca River Road-7:03, 1486 Poca River Road-7:05, 1282 Poca River Road-7:06, 1033

Poca River Road-7:07, 998 Poca River Road-7:08, 968 Poca River Road-7:09, **Poca High**-7:17, Haning Drive & Silver Street-7:23, 86 Country Road & Silver Street-7:24, 205 Silver Street-7:26, Silver Valley Estates-7:27, Burman Avenue-7:29, 128 Silver Street-7:30, **Poca Middle**-7:35, **Poca Elementary**-7:39.

PM Run

Silver Street-3:12, 128 Silver Street-3:12, Burman Avenue-3:13, Silver Valley Estates-3:14, 205 Silver Street-3:16, 391 Silver Street-3:18, 38 Haning Drive-3:19, 1210 Poca River Road-3:23, 1294 Poca River Road-3:24, 1475 Poca River Road-3:26, 1624 Poca River Road-3:27, 13 Burford Drive-3:28, 1986 Poca River Road-3:29, 23 Smith Drive-3:30, 2252 Poca River Road-3:32, 150 Eagle Hole-3:34, 2458 Poca River Road-3:34, 2474 Poca River Road-3:35, 2570 Poca River Road-3:36, 2717 Poca River Road-3:38, 122 Harmons Creek Road-3:40, 362 Harmons Creek Road-3:41, 801 Harmons Creek Road-3:45, 903 Harmons Creek Road-3:46, 2054 Poca River Road-4:01, 1486 Poca River Road-4:07, 1282 Poca River Road-4:10, 1071 Poca River Road-4:14, 1033 Poca River Road-4:15.

**Bus 2603**

AM Run

Box 95AA Black Betsy Bottom-7:09, Box 89 Black Betsy Bottom-7:10, Box 20 Thornhill Estates-7:12, Margaret Street-7:13, Bancroft Post Office-7:14, 410 Washington Street-7:15, St. Patrick's Catholic Church-7:16, 325 Jefferson Street-7:17, 525 Jefferson Street-7:18, 402 5<sup>th</sup> Avenue-7:18, **Hometown Elementary**-7:20, Farley Hollow Road-7:33, Box 83 Route 62-7:34, Box 83AA Route 62-7:36, Painter Hollow big billboard-7:37, Sigman Road-7:39, Box 102A Raymond City-7:40, **Poca Middle**-7:42, **Poca Elementary**-7:43.

PM Run

**Hometown**, Box 402 5<sup>th</sup> Avenue-2:35, 525 5<sup>th</sup> Avenue-2:36, 313 Jefferson and 4<sup>th</sup> Avenue-2:37, St Patrick Catholic-2:38, 410 Washington Street-2:39, Bancroft Fire Department-2:44, 40 Black Betsy Bottom-2:46, 20 Thornhill Estates-2:47, 89 Black Betsy Bottom-2:49, 95AA Black Betsy-2:49, **Poca Middle**, Box 154 Dairy Road-3:11, 27 Evergreen-3:12, 48 Evergreen & Oakmont-3:13, 136 Oakmont-3:14, 131 Oakmont & Spruce-3:15, 159 Oakmont & Walnut-3:16, 118 Oakmont-3:17, 169 Oakmont-3:17, River Valley-3:25, **Poca High**, 154 Dairy Road-3:35, 25 Evergreen Circle-3:36, 39 Evergreen Circle-3:37, 83 Evergreen Circle-3:38, 48 Evergreen & Oakmont-3:39, 131 Oakmont & Spruce-3:40, 159 Oakmont & Walnut-3:41, 119 Oakmont-3:42,

169 Oakmont-3:43, 134 Silver Street & Hooper-3:45.

**Bus 2701**

AM Run

182 Heizer Creek Road-6:55, 178 Heizer Creek Road-6:56, Heizer Creek Church-7:01, 168A Heizer Creek Road-7:03, 166 Heizer Creek Road-7:05, 154B Heizer Creek Road-7:07, 132 Heizer Creek Road-7:07, 122A Heizer Creek Road-7:08, 120 Heizer Creek Road-7:08, 118 Heizer Creek Road-7:09, 112A Heizer Creek Road-7:10, 109D Heizer Creek Road-7:11, 108B Heizer Creek Road-7:12, Muddy Gut Road-7:15, 106F Heizer Creek Road-7:16, **Poca Middle-7:25, Poca Elementary-7:27, Poca High-7:30**, Forest Park Entrance-7:31, Evergreen Circle-7:32, Oakmont Drive-7:34, Bottom of hill entrance Oakmont Drive-7:40, **Poca High, Poca Middle.**

PM Run

**Poca Middle/Elementary**, 106 Heizer Creek Road-3:15, 108B Heizer Creek Road-3:16, 109B Heizer Creek Road-3:18, 109C Heizer Creek Road-3:20, 109D Heizer Creek-3:25, 110A Heizer Creek Road-3:27, 111 Heizer Creek Road-3:28, 116 Heizer Creek Road-3:29, 118 Heizer Creek Road-3:30, 121 Heizer Creek Road-3:30, 122A Heizer Creek Road-3:30, 130A Heizer Creek Road-3:32, 132 Heizer Creek Road-3:32, 154B Heizer Creek Road-3:33, Heizer Creek Community Church-3:34, Clearfork Road-3:36, Sheeprock Branch Road-3:36, 178 Heizer Creek Road-3:38, 184E Heizer Creek Road-3:45.

**Bus 2703**

AM Run

Emma Chapel-6:55, Route 1 Box 14 Liberty-6:57, Liberty Store (Route 34)-7:00, Route 1 Box 299C Liberty-7:05, Route 1 Box 294A Liberty-7:06, Route 1 Box 292A-7:06, Route 1 Box 285-7:07, Route 1 Box 192-1A Poca-7:08, Route 1 Box 192A-7:08, Route 1 Box 190C Poca-7:09, Route 1 Box 187 Poca-7:10, **Poca Middle-7:30, Poca Elementary-7:32**, Silver Street-7:35, **Poca High-7:38.**

PM Run

**Poca Elementary-/Middle-3:25, Poca High-3:28, Midway Road-3:47, Box 642 Poca-3:54, Box 163 Poca-4:00, Box 1091 Poca-4:00, Heizer Creek Church-4:02, Kelly's Creek Road-4:07, Route 1 Box 192-1A Poca-4:08, Route 1 Box 292A Liberty-4:10, Route 1 Box 294A Liberty-4:11, Route 1 Box 299C-4:12, Liberty Store-4:16, Monday Road-4:21, Dog Fork Road-4:23, Emma Chapel Church-4:24, Clendenin Creek Road-4:25.**

### **Bus 2906**

#### AM Run

5<sup>th</sup> Avenue Hometown Road-7:00, 2<sup>nd</sup> Avenue Hometown Road-7:01, Senior Citizens Center-7:02, Hometown Apartments-7:03, Route 1 Box 37-7:04, Dave's Den-7:06, 54 Frazier Lane-7:07, **G. W. Elementary/Middle**, 5<sup>th</sup> Avenue Bancroft-7:27, Catholic Church-7:28, Washington Street-7:29, Elizabeth Baptist Church-7:30, 6<sup>th</sup> Avenue-7:31, Thornhill Drive-7:34, After Farley Road-7:36, Vassloh-7:37, Sigman Road-7:39, **Poca Middle, Poca High.**

#### PM Run

**G. W. Middle**, Foodland-3:13, Jamie Lane-3:14, Summit Point-3:15, Frazier Lane-3:17, Dave's Den-3:18, UB Church-3:19, Hometown Mobile Home Park-3:21, 5<sup>th</sup> Avenue-3:22, Senior Center-3:23, Hometown Park-3:25, **Poca Middle/High**, Mouth of Heizer Creek-3:47, Raymond City Church-3:48, Raymond City Bottom (last entrance)-3:49, Vassloh-3:54, Farley Road-3:56, Black Betsy Road-3:57, Corner Black Betsy/Washington Street-3:58, Thornhill & Margaret Street-3:59, Margaret Street-4:00, 7<sup>th</sup> Avenue-4:01, 6<sup>th</sup> Avenue-4:02, Elizabeth Baptist Church-4:03, St. Patricks Catholic Church-4:04, 4<sup>th</sup> Avenue -4:05.

## WINFIELD AREA

### Bus 1001

#### AM Run

Williamsburg Way-6:34, Oakwood Estates-6:36, Beechwood Estates-6:38, Hidden Valley Estates-6:44, Saddle Downs/Hidden Cove-6:50, The Garden Apartments-6:51, Dominic Drive-6:52, **Scott-Teays Elementary**-6:55, Crede-7:00, Hidden Valley Estates-7:02, Beechwood Estates-7:05, Oakwood Estates-7:15, Litton Heights-7:17, **Winfield High**-7:40, **Winfield Middle**-7:45.

#### PM Run

**Scott Teays Elementary**, Dominic Road-2:31, Williamsburg Way-2:32, Beechwood Estates-2:33, Oakwood Estates-2:38, Saddledowns-2:46, **Winfield High**, **Winfield Middle**, Wendy's-3:38, Electronic Services-3:39, Just after Rides Restored-3:42, Oakwood Estates-3:53, Beechwood Estates-4:00, Dominic-4:03.

### Bus 1002

#### AM Run

Clark Insurance-6:58, St. John Methodist Church-6:59, Heritage Place Apartments-7:00, Hidden Cove/Saddledowns-7:01, Cloverdale Acres-7:04, Meadow Wood Estates-7:06, 105 Kilgore Road-7:09, 110 Kilgore Road-7:11, 119 Kilgore Road-7:12, 129 Kilgore Road-7:13, 134 Kilgore Road-7:14, 141 Kilgore Road-7:15, 158 Kilgore Road-7:17, **Winfield High** -7:30, **Winfield Middle**-7:35, **Winfield Elementary**-7:40.

#### PM Run

**Winfield Middle/High**, 1809 Harmons Branch-3:43, 1799 Harmons Branch-3:43, 1655 Harmons Branch-3:44, Putnam County Bank-3:52, KimBree Apartments-3:53, St. John Methodist Church-3:54, Heritage Place Apartments-3:54, 105 Maplewood Estates-3:55, East Maplewood Estates-3:58, 165 Maplewood Estates-3:59, Moorefield Place-4:00, Timberlake-4:01, Tyler Valley-4:02.



### **Bus 1004**

#### AM Run

Lynn Knolls Apartments-6:32, 7 Hillsdale Circle-6:34, 48 Hillsdale Circle-6:35, 5 Maplewood Estates-6:38, 22 Maplewood Estates-6:39, 210 Maplewood Estates-6:41, 5 Litton Heights-6:44, Timberlake Circle-6:48, Jordan Lane-6:49, **Scott-Teays Elementary**-6:50, Deer Valley Drive-7:03, Brierwood Estates-7:04, Richland Estates-7:05, Poplar Hills-7:06, Teays Nursing Home-7:06, Rustic Highlands-7:07, Black Lick Road-7:14, Olympia Fields-7:15, Crystal Springs-7:19, Castleknock-7:20, **Winfield High**-7:30, **Winfield Middle**-7:35.

#### PM Run

**Scott Teays Elementary** – Timberlake Circle-2:30, Litton Heights-2:33, 5 Maplewood Estates-2:35, 22 Maplewood Estates-2:37, 210 Maplewood Estates-2:38, 7 Hillsdale Circle-2:40, 9 Hillsdale Circle-2:41, **Winfield High/Winfield Middle** – Deer Valley-3:46, Brierwood Estates-3:47, Richland Estates-3:48, Poplar Hills-3:49, Rustic Highlands-3:51, Black Lick Road-3:55, Olympia Fields-3:56, Crystal Springs-3:58, Castleknock-3:58.

### **Bus 1005**

#### AM Run

120 Route 817-6:50, 500 Route 817-6:55, 1532 Route 817(Paxton's Trailer Park)-7:00, 1680 Route 817-7:01, 1497 Route 817-7:03, 1401 Route 817-7:05, 141 Honeycutt Road-7:09, 650 Route 817-7:15, 1040 Route 817-7:15, C&G Towing-7:16, 1903 Route 817-7:17, 5 & 20 Trailer Park-7:18, 1956 Route 817-7:18, **Winfield High**-7:30, **Winfield Middle**-7:35, **Winfield Elementary**-7:40.

#### PM Run

**Winfield Elementary**, Burdette Camping Center-3:05, 44 Lockview Trailer Park-3:05, Route 817-3:06, 4506 Route 817-3:10, 4525 Route 817-3:11, 4647 Route 817-3:15, 3825 Hurricane Creek Road-3:17, Terra Way-3:17, Route 817 across from church-3:21, 500 Route 817-3:23, 1040 Route 817-3:25, 1532 Route 817-3:35, 3700 Hurricane Creek Road-3:35, Deerfield Drive-3:40.

### **Bus 1201**

AM Run

Dailey,s Farm-6:46, Woodscape-6:48, 260 Hickory Road-6:51, Lincoln Street-6:53, Friendship Lane-6:53, Saunders Street-6:54, Rosehill/Dawn Heights-6:54, Countryside Estates-6:55, **Scott Teays Elementary**-7:00, Foodland Parking Lot-7:01, Teays Villa-7:04, The Woods-7:05, **Winfield High**-7:26, **Winfield Middle**-7:30.

PM Run

**Scott Teays Elementary**, Countryside Estates-2:29, Rosehill/Dawn Heights-2:30, Saunders Street-2:31, Rolling Meadows-2:32, Foodland Parking Lot-2:34, **Winfield Middle/High**, The Woods-3:46, 4424 Teays Valley Road-3:48, Teays Villa-3:48, Lincoln Street-3:49, Foodland Parking Lot-3:50, Saunders Street-3:52, Rosehill/Dawn Heights-3:53, **Scott Teays Elementary**-3:55, 260 Crooked Creek Road-3:58, 254 Crooked Creek Road-3:58, Woodscape-3:58, Dailey's Farm-4:03.

**Bus 1203**

AM Run

Just past Saunders Addition-6:41, McCloud Road-6:42, Sun Valley Estates-6:44, Teays Villa-6:46, Crooked Creek-6:50, Hickory Road-6:55, Sovines Crooked Creek-7:00, Greenbrier Hill Apartments-7:05, Meadow Wood Estates-7:08, The Woods-7:10, Willow Ridge-7:11, Moores-7:15, **Eastbrook Elementary**-7:18, Greenbrier Drive-7:22, Poplar Drive-7:25, Fed Ex-7:25, Rolling Acres-7:33, Happy Day Trailer Park-7:35, Mariners Landing-7:38, Moore Lane-7:39, Larabee Lane-7:41, **Winfield High** -7:45, Riverdale Estates-7:46, **Winfield Middle**-7:49, **Winfield Elementary**-8:00.

PM Run

**Eastbrook Elementary**, Moore's Teays Valley Road-2:20, ChesWal-2:22, McCloud Road-2:24, 4500 Teays Valley Road-2:26, Sun Valley Estates-2:29, Teays Valley Church of God-2:30, Meadow Wood Estates-2:31, Greenbrier Hills Apartments-2:32, Teays Villa-2:33, Teays Valley Christian-2:36, Crooked Creek-2:37, **Winfield Middle**, Riverdale Estates-3:20, Westland Estates-3:25, **Winfield High**, Winfield Way-3:35, 2735 Winfield Road-3:39, Moore Lane-3:40, Mariners Landing-3:41, Happy Day Trailer Park-3:44, Rolling Acres-3:46, Riverview-3:47, Fed Ex-3:50, Poplar Drive-3:51, Greenbrier Drive-3:52, Ken Lake Estates-3:54.

**Bus 2001** (afternoon run only)

**Winfield Elementary**, Brittany Point-3:15, Winfield Community Trailer Park-3:20, **Winfield High**, **Winfield Middle**, Entrance to Woodland Forest-3:35, 1956 Route 817-3:46, 1155 Route 817-3:48, Paxson Trailer Park-3:55, 131 Plantation-4:01, 167 Plantation-4:02, Plantation & Riverview Road-4:04, 325 Riverview Road-4:09, 340 Riverview Road-4:10, Means Road-4:12.

**Bus 2111** (afternoon run only)

**Scott Teays-2:33**, Teays Valley Christian School-2:34, Teays Valley Church of God-2:40, **Winfield Middle/High**, Stonegate-3:42, 8 Stonegate-3:43, China Chef-3:47, YMCA/Litton Heights-3:49, Hill Crest Drive-3:50, Williamsburg Way-3:52, Saddledowns-3:52, The Gardens-3:54.

**Bus 2112** (afternoon run only)

**Scott Teays Elementary**, Almost Heaven Day Care-2:25, Tyler Valley-2:27, The Gardens-2:28, Moorefield-2:29, Hidden Cove-2:30, Fruth-2:35, Busy Boppers-2:39, Stonegate-2:40, **Winfield Elementary**, **Winfield Middle**, 2A Riverdale Estates-3:06, 15 Riverdale Estates-3:08, 41 Riverdale Estates-3:10, 46 Riverdale Estates-3:11, Westland Estates-3:13, Dover/Hampton Way-3:15, Dover-3:14, Planters Drive-3:16, 2900 Winfield Road-3:18, Moore Lane-3:19, **Winfield High/Middle**, 5 & 20 Mobile Park-3:45, Windsong Drive-3:46, Cozy Pine-3:47, Florence Farley Lane-3:48, Pebble Creek-3:49, 50 5&20 Road-3:50, 54 5&20 Road-3:51, Oriole Road-3:56, Gibson Branch-4:00, 64 5&20 Road-4:02, 267 5&20 Road-4:02, 322 5&20 Road-4:03, 324 5&20 Road-4:04, Thatcher Road-4:05, 412 Mount Olive Church-4:08, 420 Whitten Ridge-4:12, Coleman Creek-4:30.

**Bus 2202**

AM Run

PJ's Daycare-7:07, 6 Stonegate-7:11, 2 Stonegate-7:13, Auto Repair Center-7:14, Long View Road-7:15, 4500 route 34-7:15, Pet Cemetery-7:16, 1401 Harmon's Branch-7:19, 8100 Cobb Road-7:26, Wendys-7:26, Radwin/Friendship Way-7:28, Radwin at "T" stop sign-7:29, **Winfield Elementary-7:30**, **Winfield Middle-7:35**, **Winfield High-7:40**.

PM Run

**Winfield Elementary**, Radwin-3:11, PJ's Daycare-3:13, Woodland Forest-3:15, Winfield Baptist Church-3:17, Asian Wok-3:19, Wendy's-3:20, 8100 Route 34-3:21, Beacon Hills-3:24, Bowling Pet Cemetery-3:24, Mize Road-3:26, PJ's Day Care-3:28, 2 Stonegate-3:30, Mid Valley

Machine-3:31, 1401 Harmon's Branch-3:36, 1701 Harmon's Branch-3:38.

### **Bus 2203**

#### AM Run

562 Blue Lick-6:45, 251 Blue Lick-6:51, 201 Blue Lick-6:52, 191 Blue Lick-6:54, 135 Blue Lick-6:55, **Eastbrook Elementary**-7:00, Country Cove Estates-7:05, Penny Lane-7:08, Mandy Drive-7:09, 536 Cobblestone-7:12, Gary Lane-7:13, Ranch Lake Estates (Main Entrance)-7:14, Dortha Road-7:17, Ranch Lake Clubhouse-7:19, 156 Ranch Lake Road-7:21, 664 Rocky Step Road-7:33, 1021 Rocky Step Road-7:34, Woodland Forest-7:35, **Winfield Elementary**-7:36, **Winfield Middle**-7:45, **Winfield High**-7:50.

#### PM Run

**Eastbrook Elementary**, 1281 Bills Creek Road-2:21, Springlea Hills-2:22, Holly Creek Meadows-2:24, 500 Bills Creek Road-2:25, 135 Blue Lick-2:30, 178 Blue Lick-2:31, 251 Blue Lick-2:32, 380 Blue Lick-2:36, 562 Blue Lick-2:38, **Winfield High/Winfield Middle**, Morris Street-3:40, 665 Rocky Step Road-3:40, 1011 Rocky Step-3:41, Teays Farms-3:53, Appaloosa Lane-3:54, 102 Quarterhorse Road-3:55, 211 Rocky Step Road-4:08, 156 Ranch Lake Blvd.-4:10, Dortha Drive-4:11, Ranch Lake Clubhouse-4:12, Mandy Drive-4:17, 536 Cobblestone-4:18, Blake Ridge/Cobblestone-4:19, 105 Kilgore Road-4:25, Cresant Drive-4:26, 152 Kilgore Drive-4:28, Country Cove-4:31.

### **Bus 2506**

#### AM Run

105 Vintroux Road-6:41, Sue Drive-6:42, 135 Scary Creek Road-6:48, 142 Scary Creek Road-6:50, Pine Ridge Teays Valley Road-7:00, 4929 Teays Valley Road-7:03, Paul's Place Teays Valley Road-7:05, Trailer Park Teays Valley Road-7:06, Beagle Run-7:07, Right past Bills Creek Fire Station-7:08, Trailer Park Bills Creek-7:09, **Eastbrook Elementary**-7:15, Teays Point-7:20, 1777 Winfield Road-7:21, 1800 Winfield Road-7:22, 1866 Winfield Road-7:24, **Winfield High**-7:29, Winfield Mobile Home Park-7:30, Brittany Point-7:31, **Winfield Middle**-7:33, Ferry Street-7:34, **Winfield Elementary**-7:40.

#### PM Run

**Eastbrook Elementary**– Ken Lake Estates-2:17, Poplar Drive-2:23, Beagle Run-2:24, Trailer Park on Teays Valley Road-2:27, Pine Ridge-2:31, Scary Creek Road-2:34, Ventroux Road just as you cross tracks-2:41, Sue Drive-2:43, 105 Ventroux Road-2:44, **Winfield Middle**- Just past Christy Lane-3:35, 1866 Winfield Road-3:37, 1800 Winfield Road-3:40, 1777 Winfield Road-3:42, Teays Point-3:44, 7-Eleven-3:47, Vintroux Road-3:48, Sue Drive-3:50, Turnaround on Scary Creek Road-3:57, Pine Ridge-4:01, 4929 Teays Valley Road-4:02, Paul’s Place-4:03, Bills Creek Fire Department-4:05, Trailer Park Bills Creek-4:07, Bills Creek 1<sup>st</sup> brick past Eastbrook Elementary-4:09.

### **Bus 2604**

#### AM Run

420 Scary Creek Road-6:40, Joyce Road-6:42, Woodbine Farms-6:44, 348 Scary Creek Road - 6:50, Hill Top-Hedrick Road-6:53, 199 Hedrick Road-6:54, Right past Johnson’s Garage-6:57, **Eastbrook Elementary**-7:08, Driveway before Cobblestone-7:17, 381 Rocky Step Road-7:25, **Winfield Elementary**-7:35, **Winfield Middle**-7:40, **Winfield High**-7:55.

#### PM Run

**Eastbrook Elementary**, Devonshire-2:22, Hedrick Road-2:23, Just past Johnson’s Garage-2:25, 1<sup>st</sup> Road Across Railroad Track-2:26, Hilltop Drive-2:27, Joyce Road-2:32, Woodbine Farms-2:35, **Winfield Elementary**, Valley Street-3:05, Ferry Street-3:07, Woodbine Cove-3:08, Berry Hills-3:09, Elm Street-3:10, **Winfield High**, **Winfield Middle**, 408 Rocky Step Road-3:47, 230 Rocky Step Road-3:51, Seven Oaks-3:55, Teays Valley Hardware-4:02, 163 Hedrick Road-4:05, Hill Top Drive-4:08, 348 Scary Creek Road-4:10, Joyce Road-4:12.

### **Bus 2705**

#### AM Run

Valley Bend-6:40, 279 Joyce Road-6:45, 107 Hamon Drive-6:49, 127 Hamon Drive-6:50, Shade Tree Drive-6:51, 150 Hamon Drive-6:53, Scott Acres-6:57, Village Drive-6:58, **Scott-Teays Elementary**-6:59, Hammock Oak Drive-7:02, Village Drive-7:03, Scott Acres-7:05, 139 Hamon Drive-7:07, 147 Hamon Drive-7:08, Scott Acres-7:09, Village Drive-7:10, Villa Green Road-7:15, McCloud Road-7:16, Ches-Wal-7:18, **Winfield High**-7:25, **Winfield Middle**-7:30.

#### PM Run

**Scott Teays Elementary-** Hammock Oak Drive-2:28, Village Drive-2:29, Scott Acres-2:32, Hamon Drive-2:32, Shade Tree Lane-2:34, Valley View Drive-2:35, 107 Hamon Drive-2:36, Trailer Park Joyce Road-2:37, 279 Joyce Road-2:40, **Winfield Middle-** 4607 Teays Valley Road-3:42, Ches-Wal Road-3:43, McCloud Road-3:45, Villa Green Road-3:46, Scott Lane & Dairy Queen-3:49, Hammock Oak Drive-3:50, Village Drive-3:50, Scott Acres-3:51, 155 Hamon Drive-3:51, 148 Hamon Drive-3:52, Shade Tree Lane-3:53, 127 Hamon Drive-3:54, 104 Hamon Drive-3:55, Joyce Road Trailer Park-3:58.

### **Bus 2706**

#### AM Run

231 5 & 20 Road-6:36, 602 Gibson Branch- 6:37, 439 Gibson Branch-6:40, 436 Whitten Ridge-6:43, 414 Whitten Ridge-6:44, 436 5&20 Road-6:52, 268 5&20 Road-6:53, 306 5&20 Road-6:54, 305 5&20 Road-6:55, 267 5&20 Road-6:57, 243 5&20 Road-6:59, 235 5&20 Road-7:00, 214 5&20 Road-7:01, Grant Hill -7:04, Oriole Creek Road-7:07, 54 5&20 Road-7:12, 51 5&20 Road-7:12, Cedar View Drive-7:13, 9 Florence Farley Lane-7:14, 10 Florence Farley Lane-7:15, Pebble Creek-7:16, Windsong Way-7:18, **Winfield Elementary-7:30, Winfield Middle-7:37, Winfield High-7:40.**

#### PM Run

**Winfield Elementary-3:05, 5&20 Road-3:14, 9 Florance Farley Lane-3:15, Pebble Creek-3:17, 48 5&20 Road-3:19, 54 5&20 Road-3:20, Grant Hill-3:28, 211 5&20 Road-3:31, 214 5&20 Road-3:32, 602 5&20 Road-3:33, 264A 5&20 Road-3:35, 267 5&20 Road-3:35, 269 5&20 Road-3:36, 306 5&20 Road-3:37, 310 5&20 Road-3:37, 322 5&20 Road-3:38, 414 Whitten Ridge-3:45, 436 Whitten Ridge-3:46.**

### **Bus 2801**

#### AM Run

4506 Winfield Road-6:47, 4539 Winfield Road-6:48, 4647 Winfield Road-6:49, Box 3851 Hurricane Creek Road-6:50, Manor Way-6:51, Terra Way Subdivision-6:52, 3451 Hurricane Creek Road-6:55, Lakeview Drive-6:56, Deerfield Estates-6:57, 3090 Hurricane Creek Road-7:02, 3939 Winfield Road-7:10, Lockview Trailer Park-7:12, Wynfield Trace-7:13, 265 Winfield Avenue-7:14, Morris Avenue-7:15, 351Winfield Avenue-7:16, Longstreet Subdivision-7:19, Cane Creek Subdivision-7:20, **Winfield Elementary-7:25, Winfield High-7:40, Winfield Middle-7:45.**

PM Run

**Winfield Elementary**, Winfield Trace/Countryview-3:07, 100 Virginia Point Avenue-3:08, 265 Winfield Avenue-3:08, Morris Street-3:09, Long Street-3:10, Cane Creek Subdivision-3:12, **Winfield Middle/High**, Radwin City Nat'l Bank Drive-3:35, Radwin Lisa Circle-3:37, Wynfield Trace/Countryview Rocky Step-3:44, 100 Winfield Avenue-3:45, Morris Street-3:46, Longsteet Subdivision-3:47, Cane Creek-3:38, Lockview Trailer Park-3:52, 4539 Winfield Road-3:55, 4637 Winfield Road-3:56, 3851 Hurricane Creek Road-3:58, Terra Way-3:58, 3451 Hurricane Creek Road-4:04, Deerfield Estates-4:05, 3090 Hurricane Creek Road-4:10.

**Bus 2805**

AM Run

Staves Branch/Route 35 Intersection-6:30, 955 Evergreen Road-6:34, 919 Evergreen Road-6:35, 917 Evergreen Road-6:36, 885 Evergreen Road-6:37, Means Road-6:41, 805 Sisson Road-6:52, Honeycutt/Evergreen-6:55, 340 Riverview Road-6:57, 325 Riverview Road-7:00, 171 Riverview Road-7:03, 132 Riverview Road-7:04, 126 Riverview Road-7:05, Evergreen/Plantation Intersection-7:06, Ferguson's-7:08, 185 Plantation Road-7:09, 171 Plantation Road-7:10, 131 Plantation Road-7:11, 110 Plantation Road-7:12, Arnod Drive-7:18, **Winfield Elementary-7:35, Winfield Middle-7:40, Winfield High-7:45.**

PM Run

**Winfield Elementary**, 919 Evergreen Road-3:24, 885 Evergreen Road-3:25, 701 Evergreen/Means Road-3:27, Fairview/Means Road Intersection-3:30, Honeycutt/Evergreen Road-3:35, 340 Riverview Road-3:36, 325 Riverview Road-3:38, 132 Riverview Road-3:39, Plantation/Evergreen Road Intersection-3:40, Ferguson's-3:42, 181 Plantation Road-3:43, 167 Plantation Road-3:45, 110 Plantation Road-3:50.

**Bus 2903**

AM Run

North Poplar Fork Road Castleknock-6:29, Olympia Fields-6:32, Rustic Highlands-6:39, Church

Camp Road- 6:40, Summit Ridge-6:41, Poplar Hills-6:42, Brierwood-6:43, 397 North Poplar Fork-6:44, Deer Valley-6:45, Moorefield Estates-6:50, Timberlake Estates-6:51, **Scott-Teays-6:55**, Teays Farms Road-7:03, Walking Horse Drive-7:06, Thorough Bred Road-7:07, 101 Quarterhorse Drive-7:08, Appaloosa Drive-7:09, 115 Quarterhorse Drive-7:12, Provident Church-7:16, Pleasant Drive-7:18, 1838 Harmons Branch Road-7:23, **Winfield Elementary-7:35**, **Winfield Middle-7:45**, **Winfield High-7:50**.

#### PM Run

**Scott Teays Elementary**, Deer Valley-2:30, 397 North Poplar Fork Road-2:31, Brierwood Estates-2:32, Richland Drive-2:33, Poplar Hills-2:34, Summit Ridge-2:35, Church Camp Road-2:36, Rustic Highlands-2:37, Black Lick Road-2:40, Olympic Fields-2:41, Crystal Springs-2:43, Castleknock-2:45, **Winfield Elementary**, Morris Street-3:11, Beechwood Avenue-3:12, 665 Rocky Step Road-3:13, 664 Rocky Step Road-3:14, 390 Rocky Step Road-3:20, Pleasant Drive-3:25, Providant Baptist Church-3:27, Thoroughbred Drive-3:30, 101 Quarterhorse Drive-3:31, Appaloosa Lane-3:32, 230 Rocky Step Road-3:34, 221 Rocky Step Road-3:36, 211A Rocky Step Road-3:38, Ridgeview & Ranch Lake Drive-3:41, Ranch Lake Clubhouse-3:44, Penny Lane-3:48, Mandy Drive-3:49, Cobblestone & Blake Ridge Drive-3:50, Gary Lane-3:51, 155A Rocky Step Road-3:52, 149 Rocky Step Road-3:53, 1 Sunset Drive-3:54, 119 Kilgore Road-3:55, 141 Kilgore Road-3:58, 149 Kilgore Road-3:59, Country Cove Estates-4:01, 103 Rocky Step Road-4:02.

#### **Bus 2905**

##### AM Run

Kara Lane-6:49, Teays Meadows-6:50, Barrington Woods-6:50, 325 Poplar Fork Road-6:51, Burns Road-6:52, 410 Poplar Fork Road-6:52, 431 Poplar Fork Road-6:53, Whippoorwill Lane-6:54, Poplar Estates-6:55, Knights Court-7:01, Teays Village-7:03, Leslie Place-7:03, Mount Vernon Heights-7:04, Hillsdale Circle-7:05, **Winfield High/Winfield Middle**.

##### PM Run

**Winfield Middle/High**, Hillsdale-3:44, Leslie Place-3:47, Teays Village/Knights Court-3:48, Kara Lane-3:50, Teays Meadows-3:51, Barrington Woods-3:52, Burns Road-3:54, Whippoorwill-3:55,



Poplar Estates-3:56, Route 34 Longview-7:09, Route 34 ESI-7:14, Wendy's-7:15.

**Bus 2907**

AM Run

WMS Portables-6:30, 122 Cannery Lane-6:37, 212 Cannery Lane-6:40, 129 Cannery Lane-6:42, 2256 Winfield Road-6:43, 126 Shawnee Estates-6:45, 207 Shawnee Estates-6:46, 175 Shawnee Estates-6:47, 222 Shawnee Estates-6:48, 238 Shawnee Estates-6:49, Old Exxon-6:50, Leslie Lumber-6:51, Riverside Glen-6:52, Rolling Acres-6:54, River Chase Mobile Home park-6:54, 1812 Winfield Road-6:57, 500 Bills Creek Road-6:59, Springlea Drive-7:00, **Eastbrook Elementary**-7:10, 1070 Bills Creek Road-7:10 Arrowhead Drive-7:12, Holly Creek-7:12, 500 Bills Creek Road-7:13, Christy Lane-7:17, 2101 Winfield Road-7:17, Dockside-7:18, 127 Shawnee Estates-7:19, 137 Shawnee Estates-7:20, 182 Shawnee Estates-7:21, 177 Shawnee-7:22, 238 Shawnee Estates-7:23, **Winfield High/Winfield Middle**.

PM Run

**Eastbrook Elementary**, 1812 Winfield Road-2:24, Orchard Lane-2:25, River Chase Mobile Home Park-2:26, rolling Acres-2:26, Christy Lane-2:28, Riverside Glen-2:29, Leslie Lumber-2:30, Old Exxon-2:30, 126 Shawnee Estates-2:32, 246 Shawnee Estates-2:33, 207 Shawnee Estates-2:33, 222 Shawnee Estates-2:35, 238 Shawnee Estates-2:35, 122 Cannery Lane-2:37, 212 Cannery Lane-2:40, Winfield Mobile Home Park-2:49, Food King-2:51, **Winfield Middle/High**, Cannery Lane-3:38, Shawnee Estates-3:39, Dockside-3:40, 2101 Winfield Road-3:45, Christy Lane-3:46, 500 Bills Creek-3:46, Hollycreek-3:46, Arrowhead-3:50, Spring Lea Estates-3:51, Intersection of Bills Creek & Blue Lick-3:52.

**PUTNAM COUNTY EVACUATION PLAN**  
**APPENDIX 4: SAMPLES – DECLARATION OF EMERGENCY AND**  
**EVACUATION ORDER**

This appendix contains a sample declaration of emergency and a sample evacuation order that the Putnam County Commission and the various municipal councils in the county can use to issue an evacuation notice and/or declare a local emergency.

*SAMPLE DECLARATION OF EMERGENCY*

**EMERGENCY PROCLAMATION**

Putnam County, West Virginia \_\_\_\_\_, 20\_\_\_\_\_

WHEREAS Putnam County, West Virginia has been or is immediately threatened by a natural/technological/man-made hazard, and

WHEREAS a state of emergency has been declared by the County Commission of Putnam County.

NOW, THEREFORE, we, the County Commission of Putnam County, declare that a state of emergency exists in the **COUNTY/CITY** and that we hereby invoke and declare those portions of the West Virginia Code which are applicable to the conditions and have caused the issuance of this proclamation be in full force and effect in the county for the exercise of a necessary emergency authority for protection of the lives and property of the people of Putnam County and the restoration of local government with a minimum of interruption.

Reference is hereby made to all appropriate laws, statutes, ordinances and resolutions, and particularly to Chapter 15, Article 5 of the West Virginia Code.

All public offices and employees of Putnam County are hereby directed to exercise the utmost diligence in the discharge of duties required by them for the duration of the emergency and in execution of emergency laws, regulations, and directives.

All citizens are called upon and directed to comply with necessary emergency measures, to cooperate with public officials and emergency management forces in executing emergency operations plans and to obey and comply with the lawful direction of properly-identified officers.

All operating forces will direct their communications and requests for assistance and new operations directly to the Emergency Operations Center.

In witness, we have hereunto set our hand this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_ A.D.

\_\_\_\_\_  
Putnam County Commission President

\_\_\_\_\_  
Putnam County Commissioner

\_\_\_\_\_  
Putnam County Commissioner

*SAMPLE EVACUATION ORDER*

**EVACUATION ORDER  
RESOLUTION - \_\_\_\_\_**

**ORDER TO REDUCE VULNERABILITY  
TO DAMAGE, INJURY, AND LOSS OF LIFE OR PROPERTY  
RESULTING FROM AN IMMINENT THREAT**

**WHEREAS**, a state of general emergency in the **COUNTY/CITY** of \_\_\_\_\_, was lawfully declared as of \_\_\_\_\_, 20\_\_, due to the imminent threat posed by \_\_\_\_\_ (hereinafter “imminent threat”); and,

**WHEREAS**, the **MAYOR/PRESIDENT** of the **COUNTY/CITY** of \_\_\_\_\_, or his/her designee, has been empowered, authorized, and directed to exercise, on behalf of the \_\_\_\_\_ **COUNTY/CITY COUNCIL**, such emergency powers necessary to carry out the provisions of the Codify Ordinances of the **COUNTY/CITY** of \_\_\_\_\_, Including, but not limited to, the powers to direct and compel evacuation of all or part of the population from stricken or threatened areas within the **COUNTY/CITY** of \_\_\_\_\_; and,

**WHEREAS**, such action is deemed necessary to reduce the vulnerability of people in the **COUNTY/CITY** of \_\_\_\_\_ to damage, injury, and loss of life and property resulting from the imminent threat; and,

**WHEREAS**, the Mayor of the **COUNTY/CITY** of \_\_\_\_\_ has confirmed the power of the City (Town) to order evacuation of residents of the **COUNTY/CITY** when threatened by a disaster.

**NOW THEREFORE**, pursuant to Ordinances of the **COUNTY/CITY** of \_\_\_\_\_, I hereby find and declare:

1. The above recitals are true and are incorporated by reference herein.

2. I am duly authorized to carry out the emergency management functions delegated by the COUNTY/CITY COUNCIL of the COUNTY/CITY of \_\_\_\_\_.

3. The following area(s) of the COUNTY/CITY of \_\_\_\_\_ are threatened by the imminent threat, and are hereby designated the "affected area":

- LIST AFFECTED AREA(S)

4. In order to reduce the vulnerability of the population in the affected areas to damage, injury, and loss of life or property resulting from the imminent threat, I hereby order and direct that the affected areas shall be evacuated immediately.

5. In order to reduce the vulnerability of the population in the affected areas to damage, injury, and loss of life or property resulting from the imminent threat, I hereby order and direct that no persons, except duly authorized law enforcement or emergency management personnel, be allowed to enter the affected areas.

6. The \_\_\_\_\_ (insert title of official, such as the Police Chief) of the COUNTY/CITY of \_\_\_\_\_, Putnam County, West Virginia, is hereby authorized and empowered to take whatever lawful actions are necessary to implement this evacuation order.

7. This order shall take effect at \_\_\_\_\_ a.m. / p.m., \_\_\_\_\_, 20\_\_\_\_, and shall be in effect until canceled.

\_\_\_\_\_ COUNTY/CITY COUNCIL

By: \_\_\_\_\_

ATTEST: MAYOR/PRESIDENT

THE COUNTY/CITY OF \_\_\_\_\_, WEST VIRGINIA

By: \_\_\_\_\_

## **PUTNAM COUNTY EVACUATION PLAN**

### **APPENDIX 5: EVACUATION EXECUTION ACTIONS/TASKS**

This appendix contains two checklists that can serve as reminders of necessary major tasks for officials implementing an evacuation. The first is a list of the general actions that should be completed during the response and re-entry phases of an evacuation. The second contains items that an activated Emergency Operations Center (EOC) can do to support evacuation efforts. These checklists are not meant to be comprehensive or all-inclusive for *all* evacuation events. They are meant to support decision makers, ensuring that the major, base elements of the evacuation are implemented and allowing said decision makers to focus on the extraordinary circumstances surrounding individual instances.

**PUTNAM COUNTY EVACUATION PLAN**  
**APPENDIX 5: EVACUATION EXECUTION ACTIONS/TASKS**  
**CHECKLIST #1: EVACUATION TASKS – RESPONSE AND RE-ENTRY**  
**PHASES**

The following is a list of the major action items associated with an evacuation. It serves as a reference guide for officials implementing an evacuation in Putnam County. \*NOTE: This list does not mean to imply that all of these actions can be accomplished within a single operational period or day.

RESPONSE PHASE

Task	Responsibility
<input type="checkbox"/> Assess area affected by the incident and the impact on the population of the area	IC assisted by Emergency Management
<input type="checkbox"/> Develop and issue appropriate evacuation or shelter-in-place order.	Incident Commander, County Commission, Mayors
<input type="checkbox"/> Provide the public with required information to initiate evacuation	Emergency Management
<input type="checkbox"/> Determine the potential number of people and pets to be evacuated	IC assisted by Emergency Management
<input type="checkbox"/> Identify special needs groups to be evacuated and any type of special assistance needed	IC assisted by Emergency Management
<input type="checkbox"/> Implement Plan	All Affected Jurisdictions and On-Scene Responders
<input type="checkbox"/> Monitor IFLOWS	Emergency Management
<input type="checkbox"/> Notify other jurisdictions impacted by evacuation and coordinate the appropriate aspects of the evacuation	Emergency Management, WVDHSEM
<input type="checkbox"/> Coordinate with the WVDHSEM	Emergency Management
<input type="checkbox"/> Inventory candidate primary evacuation routes and assess the current condition of these routes, including bridge/road closings, and capacity reduction	IC assisted by Emergency Management and WVDHSEM

	Task	Responsibility
<input type="checkbox"/>	Review and determine the evacuation routes to be used and the traffic control points that will be required	IC assisted by Emergency Management
<input type="checkbox"/>	Activate traffic control along evacuation routes, including law enforcement personnel and traffic control devices	On-Scene Responders
<input type="checkbox"/>	Identify, procure, and deploy resources required to support vehicle evacuation, such as fuel, tow trucks, etc.	IC assisted by Emergency Management
<input type="checkbox"/>	Select and activate transfer/pickup points which citizens can travel to and access mass transit	Emergency Management assisted by Putnam County Schools
<input type="checkbox"/>	Establish security at pickup points to control traffic and maintain order	On-Scene Responders
<input type="checkbox"/>	Coordinate the opening of shelter facilities, including shelters for special populations.	Emergency Management assisted by the Red Cross
<input type="checkbox"/>	Identify resource needs for the evacuation of special facilities.	IC assisted by Emergency Management and Special Facility Representatives
<input type="checkbox"/>	Request mass transit vehicles to transport persons to shelter facilities and deploy to pickup points.	Emergency Management assisted by Putnam County Schools
<input type="checkbox"/>	Determine the appropriate use of volunteer resources	IC assisted by Emergency Management
<input type="checkbox"/>	Select and mobilize specialized accessible transit vehicles for persons with mobility impairments, and other special populations	IC assisted by Emergency Management and Putnam County Schools
<input type="checkbox"/>	Monitor traffic on evacuation routes and provide additional controls, as needed.	IC assisted by Emergency Management and WVDOT
<input type="checkbox"/>	Identify hospitals, assisted living facilities, senior living facilities, and nursing homes throughout the affected area and coordinate evacuation.	IC assisted by Emergency Management
<input type="checkbox"/>	Evacuate special facilities, traffic control, crowd control, additional emergency needs	IC assisted by Emergency Management
<input type="checkbox"/>	Execute existing Memoranda of Understanding	All Affected Jurisdictions and On-Scene Responders
<input type="checkbox"/>	Implement security in evacuated areas	On-Scene Responders





Task		Responsibility
<input type="checkbox"/>	Establish and implement procedure for temporary access of evacuees to the evacuated areas.	IC assisted by Emergency Management
<input type="checkbox"/>	Activate certified animal shelters	IC assisted by Emergency Management and Humane Association
<input type="checkbox"/>	Inventory resources available in identified shelters and procure supplemental supplies as needed	Emergency Management and Red Cross

RE-ENTRY PHASE

	Task	Responsibility
<input type="checkbox"/>	Arrange for the return of persons needed for essential services or operation, and to reactivate critical facilities and critical infrastructure	Incident Community and other affected jurisdictions, assisted by the County
<input type="checkbox"/>	Designate return routes and provide route control and security	Incident Community and other affected jurisdictions, assisted by the County and WV State Police
<input type="checkbox"/>	Provide for return of special needs population who cannot return without assistance	Incident Community and other affected jurisdictions, assisted by the County
<input type="checkbox"/>	Arrange for long term sheltering of evacuees who cannot return to their homes immediately	County and State
<input type="checkbox"/>	Provide public information of recovery and disaster assistance operations	Incident Community and other affected jurisdictions, assisted by the County
<input type="checkbox"/>	Assist public in returning to evacuated territory and in recovering from the impact of the incident	Incident Community and other affected jurisdictions, assisted by the County

**PUTNAM COUNTY EVACUATION PLAN**  
**APPENDIX 5: EVACUATION EXECUTION ACTIONS/TASKS**  
**CHECKLIST #2: EOC TASKS FOR EVACUATION**

The following checklist contains items that an activated Emergency Operations Center (EOC) can do to support evacuation efforts.

**INITIAL ACTIONS**

Establish communications with the Incident Command Post (ICP).

Notify appropriate EOC staff members based on the level of activation required.

Place potential EOC staff members on standby.

Notify the WVDHSEM (i.e., the State EOC) of the incident via Eteam.

**ON-GOING ACTIONS**

Revise activation level based on incident conditions and the level of support needed in the field.

Coordinate with the ICP regarding the following:

- Determination of appropriate evacuation routes
- Determination of traffic control points
- General status

*Note Times:*

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Via Eteam, periodically update the WVDHSEM as to incident status. Include:

- Number of displaced individuals
- Evacuation routes
- Potential recipient jurisdictions

*Note Times:*

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- Casualty information \_\_\_\_\_
- Resource needs and resources committed \_\_\_\_\_
- Other information, as appropriate and requested \_\_\_\_\_

Request regional and state-level resources per the request of the Incident Commander. List those resources requested: *Note Times:*

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

Release public information via media releases. Include the following in the releases: *Note Times:*

- General description of the response (# of units committed, etc.) \_\_\_\_\_
- Detours or other information necessary to isolate the affected area \_\_\_\_\_
- Locations of shelters \_\_\_\_\_
- Time and location of any media briefings \_\_\_\_\_
- Locations of centers accepting donations \_\_\_\_\_

If the incident involves a covered facility, coordinate as necessary with the Facility Emergency Coordinator.

Notify any special facilities that may be in the affected area.

NOTE FACILITY NAME: *Note Times:*

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Coordinate with the American Red Cross and/or other resources regarding the opening of shelters. Such coordination should include the number of shelterees expected, determination of operational periods, and locating the shelters outside of the affected area.

Coordinate pet sheltering with the Kanawha County Humane Association.

Coordinate with Putnam County Schools should transportation resources be necessary.

Provide the following information:

- Estimated number of people needing assistance
- Locations of pick-up points
- Locations of shelters
- Accessible routes (i.e., directions to shelters)

*Note Times:*

Provide a Situation Report (SITREP) to neighboring county Emergency Managers.

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Serve as a link to the conceptual information contained in this plan (i.e., relay information to responders if needed and requested).

Facilitate damage assessment in the affected area.

Procure debris removal resources, if necessary.

NOTE THE FOLLOWING:

*Note Times:*

- Location of collection points: \_\_\_\_\_
- Location of collection points for white goods: \_\_\_\_\_
- Location of disposal sites: \_\_\_\_\_

Coordinate with the ICP as to when it is safe to re-enter the area.

Notify shelters of re-entry. Determine a schedule for releasing shelterees and advise shelter staff to notify shelterees *prior to releasing the re-entry order via the media.*



Notify the media that evacuees can re-enter the affected area.

Demobilize the EOC.

## PUTNAM COUNTY EVACUATION PLAN

### APPENDIX 6: WARNING AND PUBLIC INFORMATION SYSTEMS

Public alert and warning is necessary to increase public awareness of an impending threat, and to provide clear instructions should an emergency situation require the need for evacuation. In fact, the vital first step of a successful evacuation in Putnam County is contingent on timely public alerting that allows the public the opportunity to safely move to non-impacted areas.

This appendix is devoted to the available systems and mechanics of public warning. The actual verbal or written messages that will be given, whether through the media, the reverse 9-1-1 system, the Emergency Alert System (EAS), or other messaging systems are the responsibility of the Public Information Officer (PIO), the Joint Information Center (JIC), and the Emergency Operations Center (EOC).

As mentioned in Section V.A. of the Basic Plan, the following public notification and warning systems are available in Putnam County.

- Dynamic Mobile Message Boards via the WVDOH
- Fixed, Locally-Available Message Boards
- E Team
- Email
- Facsimile
- IPAWS
- Local Media (e.g., television, radio)
- Mass Notification System (i.e., reverse 9-1-1 system)
- NOAA All-Hazard Radio (also Emergency Alert System [EAS])
- Outdoor Warning Siren System
- Paging Systems
- Public Address Systems
- Telephone
- Websites

## **I. DYNAMIC MOBILE MESSAGE BOARDS**

The West Virginia Division of Highways (WVDOH) has access to several variable message boards that could be posted along evacuation routes to convey public information. Messages would, by necessity, be short, but could direct evacuees to radio stations or other sources of more detailed public information. Message boards could also direct evacuees to reception areas.

*How to Activate:* These signs would be considered “external resources” and would be procured as such.

## **II. FIXED, LOCALLY-AVAILABLE MESSAGE BOARDS**

Additionally, Putnam County Emergency Managers have access to a fixed message board located at the Nitro Fire Department Main Station. The emergency managers can change the message via a mobile phone or from their office computers.

*How to Activate:* As county-owned resources, the emergency managers would activate and deploy these signs as necessary.

## **III. E TEAM**

E Team is the preferred means of notifying the West Virginia Division of Homeland Security and Emergency Management (WVDHSEM). E Team is a web-based program monitored at the State Emergency Operations Center (SEOC) as well as at local EOCs throughout the state. Emergency managers can post Situation Reports (SITREPS), resource requests, operational status, etc. to the site.

*How to Activate:* Emergency managers, as part of the Emergency Management Performance Grant (EMPG) program, are required to post regular SITREPS, even during non-emergency periods. During an emergency, the EOC Coordinator (or a designee) can post regularly to E Team.

## **IV. EMAIL**

Electronic mail, or email, serves primarily as an alternate or supplemental means of notifying a targeted group of individuals. Under many circumstances, email is more appropriate

for communicating on-going incident assessment information rather than an alert, notification, or warning message.

*How to Activate:* Email capabilities are present in the EOC during regular operating conditions and emergency conditions. Emailing should ultimately be done under the supervision of the EOC Coordinator.

## V. EMERGENCY ALERT SYSTEM

The EAS began in 1997, taking the place of its predecessor warning system, the Emergency Broadcast System (EBS). The EBS and EAS have been used over 20,000 times since its inception for civil emergency and severe weather warnings. The EAS is designed to provide emergency information by the use of radio, television, and cable television. There are strict rules on the activation of the system. It should only be activated during extreme emergencies by authorized individuals.

### *Messages*

- Weather specific messages that can be disseminated via the EAS include the following:
  - **LAE** (Local Area Emergency) – An emergency message that defines an event that by itself does not pose a significant threat to public safety and/or property; however, the event could escalate, contribute to other more serious events, or disrupt critical public safety services. An example includes road closures due to excessive snow fall.
  - **Emergency** – A situation posing an extraordinary threat to the safety of life and property. Examples are (but not limited to) tornadoes, flash floods, icy conditions, and heavy snows.
  - **Severe Weather Watch** – Indicates that the conditions are favorable for a severe weather storm.
  - **Severe Weather Warning** – Indicates that a particular severe weather storm has actually been sighted in an area or indicated by radar. Serves notice to public that severe storm conditions are almost certain to occur.
  
- The most pertinent EAS message type in terms of this plan is EVI (Evacuation Immediate).

*How to Activate:* Putnam County can request activation of portions of the West Virginia EAS. According to the *West Virginia Emergency Alert System Operating Plan*, the state EAS is



activated **by a request from authorized officials to the National Weather Service (NWS) first**. Requests for activations can be faxed directly to the Charleston NWS Forecasting Office or submitted via the HazCollect<sup>1</sup> program.

Putnam County Emergency Management and Putnam 911 can request activation from the Local Primary (LP) source serving the affected EAS area.

- Putnam County is in the Charleston Local EAS area.
- The LP sources for Putnam County are as follows:
  - WCAW, Charleston – 680 (AM)
  - WCHS, – 580 (AM)
  - WKWS, – 96.1 (FM)
  - WRVZ, Pocatalico – 98.7 (FM)
  - WVAF, Charleston – 99.9 (FM)

## **VI. FACSIMILE**

Facsimiles, or faxes, serve as another alternate or supplemental means of notifying a focused target group of individuals. Under many circumstances, faxes are more appropriate for communicating on-going incident assessment information (such as submitting requested information) rather than an alert, notification, or warning message.

*How to Activate:* Fax capabilities are present in the EOC during regular operating conditions and emergency conditions. Faxing should ultimately be done under the supervision of the EOC Coordinator.

## **VII. INTEGRATED PUBLIC ALERT AND WARNING SYSTEM (IPAWS)**

Federal, state, territorial, tribal, and local alerting authorities can use the internet-based IPAWS and integrate local systems that use common alerting protocol standard with IPAWS infrastructure. IPAWS provides public safety officials with an effective way to alert and warn the public about serious emergencies using the Emergency Alert System (EAS), wireless emergency alerts, the NOAA weather radio, and other public alerting systems from a single interface. Putnam County is currently an IPAWS public alerting authority.

*How to Activate:* During emergency incidents, Putnam County Emergency Management may activate the system via the internet.

### **VIII. LOCAL MEDIA**

The media can also serve as a valuable resource when disseminating warnings and on-going public information. Most county residents are familiar with various media outlets (including television and radio) and rely on those outlets for up-to-date information and instructions. During non-emergency periods, the emergency manager coordinates the release of information. A media roster is maintained in the EOC for both pre-emergency and emergency periods.

*How to Activate:* During emergency incidents, the emergency manager and/or 911 Director may establish contact with the media prior to the arrival of the PIO. The preferred way to issue information to the media is via email and fax.

### **IX. MASS NOTIFICATION SYSTEM**

Putnam County can employ a reverse 9-1-1 mass notification system that can send out a voice message to individual households and businesses. The current system has a capacity to send out thousands of calls/hour. The messages are sent out to the phone numbers listed in the current 9-1-1 database.

*How to Activate:* The system can be activated in the county by 911 Supervisors, the county Emergency Manager, and/or the EOC Coordinator. Both pre-recorded messages and newly recorded messages can be used, depending on the situation. Those with the authority to activate the system can record messages on an as-needed basis. Those messages, though, are subject to appropriate approvals. "Call groups" have been organized by evacuation area (i.e., all registered numbers in the evacuation areas have been grouped); as such, a message can be sent to a single evacuation area, a combination of evacuation areas, or the county as a whole.

### **X. NOAA ALL-HAZARD RADIO**

NOAA all-hazard radios are provided by the National Oceanic and Atmospheric Administration (NOAA) and are personally-held radio receivers with a tone or a digital code containing county-specific header information. Voice announcements can warn of weather or other public emergencies. The all-hazard radio system interfaces with the EAS, allowing for immediate extension of the warning message onto radio and television broadcast stations.

*How to Activate:* The Putnam County Emergency Manager as well as 911 Dispatchers can activate all-hazard radios by calling the NWS's Charleston Forecasting Office.

## **XI. OUTDOOR WARNING SIREN SYSTEM**

The outdoor warning siren system in Putnam County consists of sirens located throughout the county with an emphasis on the “valley floor” that has the greatest population density and proximity to major transportation routes and chemical facilities. Sirens can be activated in “disaster mode” (i.e., three [3]-minute, steady tone, repeated several times) or in “attack mode” (i.e., three [3]-minute, wavering or cycling tone, repeated several times) pursuant to FEMA Publication CPG 1-17. Some of the sirens are also used to alert volunteer firefighters. Used as such, they are limited to a wavering tone lasting not more than two (2) minutes. Additionally, some of the sirens can be voice enabled. A list of those with this capability is maintained at Putnam 911.

The sirens serve a valuable purpose in providing a capability to alert those that are outdoors, but it must be assumed that sirens will not be heard by everyone. All sirens have a secondary power source.

*How to Activate:* Sirens are activated by the Putnam 911 Center via radio control upon the authority of 911 Supervisors and/or the Emergency Managers. (\*NOTE: If the sirens are activated locally, Putnam 911 should be notified.)

## **XII. PAGING SYSTEMS**

In general, two (2) types of paging systems are included in this plan. Both serve primarily as a means of notifying emergency responders and/or emergency management partners. Response agencies (i.e., fire departments, police departments, EMS units, etc.) are normally paged to respond to emergencies within their first-due response district. These paging capabilities can be utilized to dispatch resources to assist with the implementation of an evacuation. Messages via radios that are used by emergency personnel can also be used as a means of notification/warning.

Additionally, EOC staff, local government representatives, etc. can be paged as a notification of emergency conditions. Such notifications can be simply informational or requests to respond to an activated EOC.

*How to Activate:* Appropriate rosters of pager numbers as well as guidelines for dispatching response agencies are maintained at the Putnam 911 Center. Such capabilities should be implemented as per normal protocols.

### **XIII. PUBLIC ADDRESS SYSTEMS**

Most emergency response agencies in Putnam County have a mobile addressing capability. These capabilities are typically associated with electronic sirens in emergency vehicles. These resources could be dispatched to an affected (or potentially-affected) area to disseminate messages via these portable sirens. The primary drawback to this method of warning is the manpower it would take to implement across a large area.

*How to Activate:* The use of public address systems is generally considered an external resource. As such, an on-scene Incident Commander (IC) or the EOC can request the activation and deployment of agencies with these capabilities.

### **XIV. TELEPHONE**

The telephone serves primarily as an alternate method of communicating with responders. Telephone correspondence is more appropriate for communicating on-going incident assessment information rather than an alert, notification, or warning message. In fact, telephone may be the preferred method of communication with resource providers, neighboring counties, special facilities in Putnam County, etc.

*How to Activate:* Telephone capabilities are present in the EOC during regular operating conditions and emergency conditions. Telephone correspondence should ultimately be under done the supervision of the EOC Coordinator.

### **XV. WEBSITES**

Many persons are likely to consult county websites for details regarding a potential or actual evacuation. While there are many websites affiliated with Putnam County, all information should be posted at the following sites.

- Putnam County: <http://putnamcounty.org/>
- Putnam 911: [www.metro911.org](http://www.metro911.org)
- Kanawha Putnam Emergency Planning Committee: [www.kpepc.org](http://www.kpepc.org)

*How to Activate:* The Putnam County's webmaster can update the website with emergency information, once tasked to do so by the EOC. Further, the KPEPC Administrator can update the KPEPC site and Metro personnel can update their site.

## **XVI. NOTES**

1. "HazCollect" is the NWS' all-hazards emergency message collection system. It is a dynamic system for the centralized collection and efficient distribution of non-weather emergency messages. Local governments must be registered with the program to utilize it. See <http://www.nws.noaa.gov/os/hazcollect/index.shtml> for additional information.

## PUTNAM COUNTY EVACUATION PLAN

### APPENDIX 7: SPECIFIC HAZARDS

This appendix contains profiles for two locations which require special attention with respect to evacuation. These two sites can affect large groups of people and have large quantities of hazardous materials to include extremely hazardous substances (EHSs) like chlorine and sulfuric acid. Each profile contains the following:

- A brief description of the site
- What hazardous materials were listed at that site within the *Kanawha-Putnam Emergency Planning Committee Vulnerability Analysis, 2009*
- Recommended initial isolation distances
- ALOHA analysis

## PUTNAM COUNTY EVACUATION PLAN

### APPENDIX 7: JOHN E. AMOS POWER PLANT

John E. Amos Power Plant, located in St. Albans between West Virginia (WV) 817 and the Kanawha River, is operated by American Electric Power (AEP) generating over 2,900 MW of electricity from its coal fueled generators ([http://en.wikipedia.org/wiki/John E. Amos Power Plant](http://en.wikipedia.org/wiki/John_E._Amos_Power_Plant)).

The following materials are listed as stored, produced, and/or transported from John E. Amos Power Plant which could cause an evacuation being site specific, partial, or mass depending on the level of damages, wind directions, and possible supplemental events which exacerbated the power plant's downfall.

Materials	
• 2-dimethylaminoethanol	• Ferrous Chloride Solution
• 4-Thiapentanal	• Flammable Liquids, N.O.S
• Acetaldehyde	• Flammable Liquids, Toxic, N.O.S.
• Acetone Cyanohydrin	• Hydrochloric Acid
• Acrylonitrile, Stabilized	• Hydrogen Peroxide
• Ammonia, Anhydrous	• Liquefied Petroleum Gas
• Ammonium Nitrate	• Methacrylic Acid
• Butanols	• Methylamine, Anhydrous
• Carbon Dioxide, Refrigerated Liquid	• Methyl Isobutyl
• Chlorobenzene	• Methyl Isobutyl Ketone
• Chlorine	• Methyl Methacrylate
• Combustible Liquid, N.O.S.	• Methylamine, Anhydrous
• Corrosive Liquid, Basic, Inorganic, N.O.S.	• N, N-Dimethylformamide
• Diisobutyl Ketone	• Petroleum Distillates
• Dimethyl Ether	• Sodium Chlorate
• Dimethyl Sulfate	• Sodium Hydroxide Solution
• Dimethylamine, Anhydrous	• Styrene Monomer, Stabilized
• Dimethylamine, Solution	• Sulfur, Molten
• Elevated Temperature Liquid, N.O.S.	• Sulfuric Acid
• Environmentally Hazardous Substance, N.O.S.	• Trimethylamine
• Ethylene Oxide	• Vinyl Methyl Ether, Stabilized

From the KPEPC's Vulnerability Assessment (2009), the following map, figure 7.1, a partial evacuation might be necessary as seen by the isolation zones.

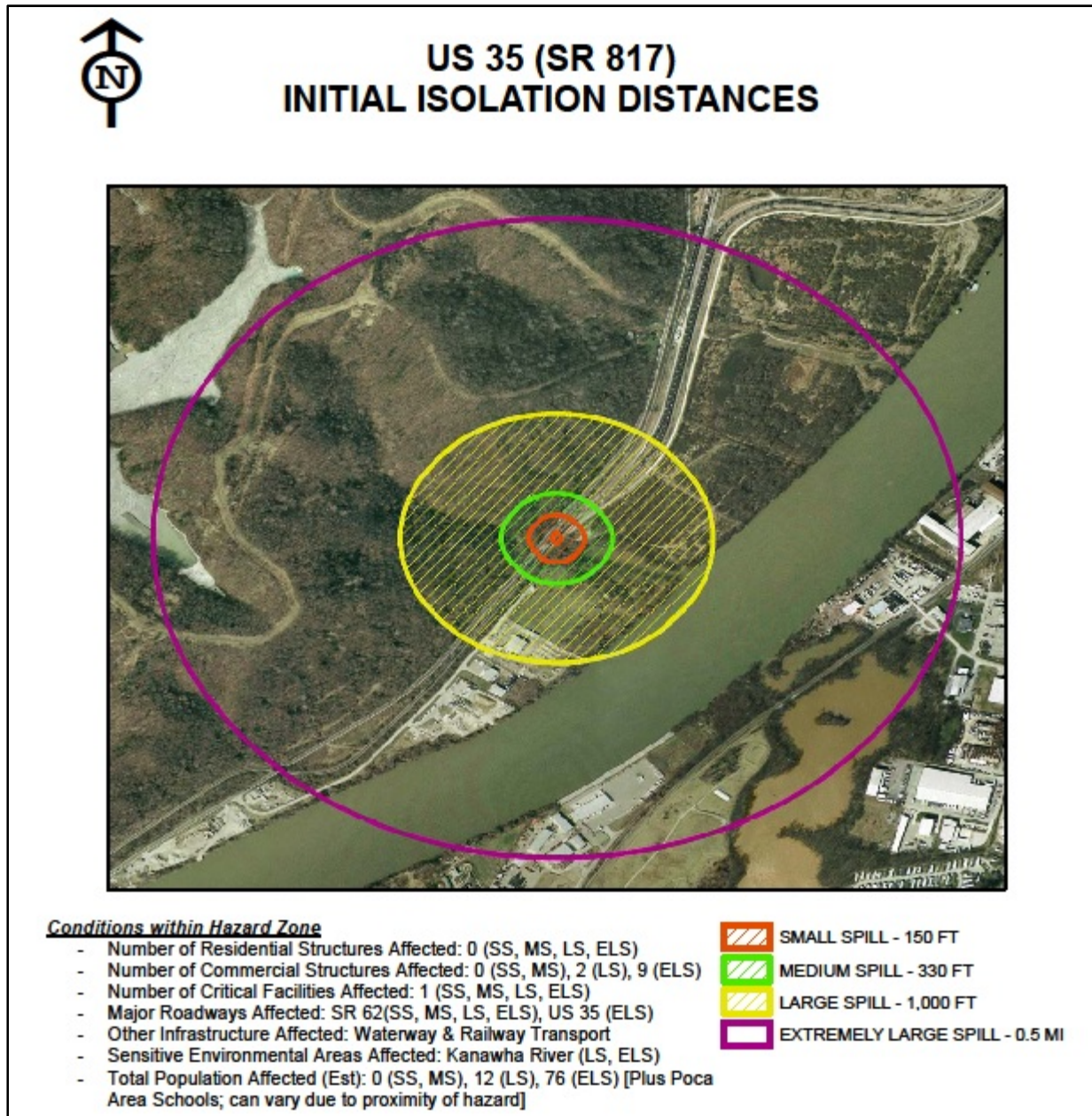


Figure 7.1

The assessment also shows possible directional effects from chemicals as a result of wind. Figure 7.2, below, shows the wind most likely carrying the chemicals away from Putnam County, thereby possibly making Putnam County be a reception area for evacuees.



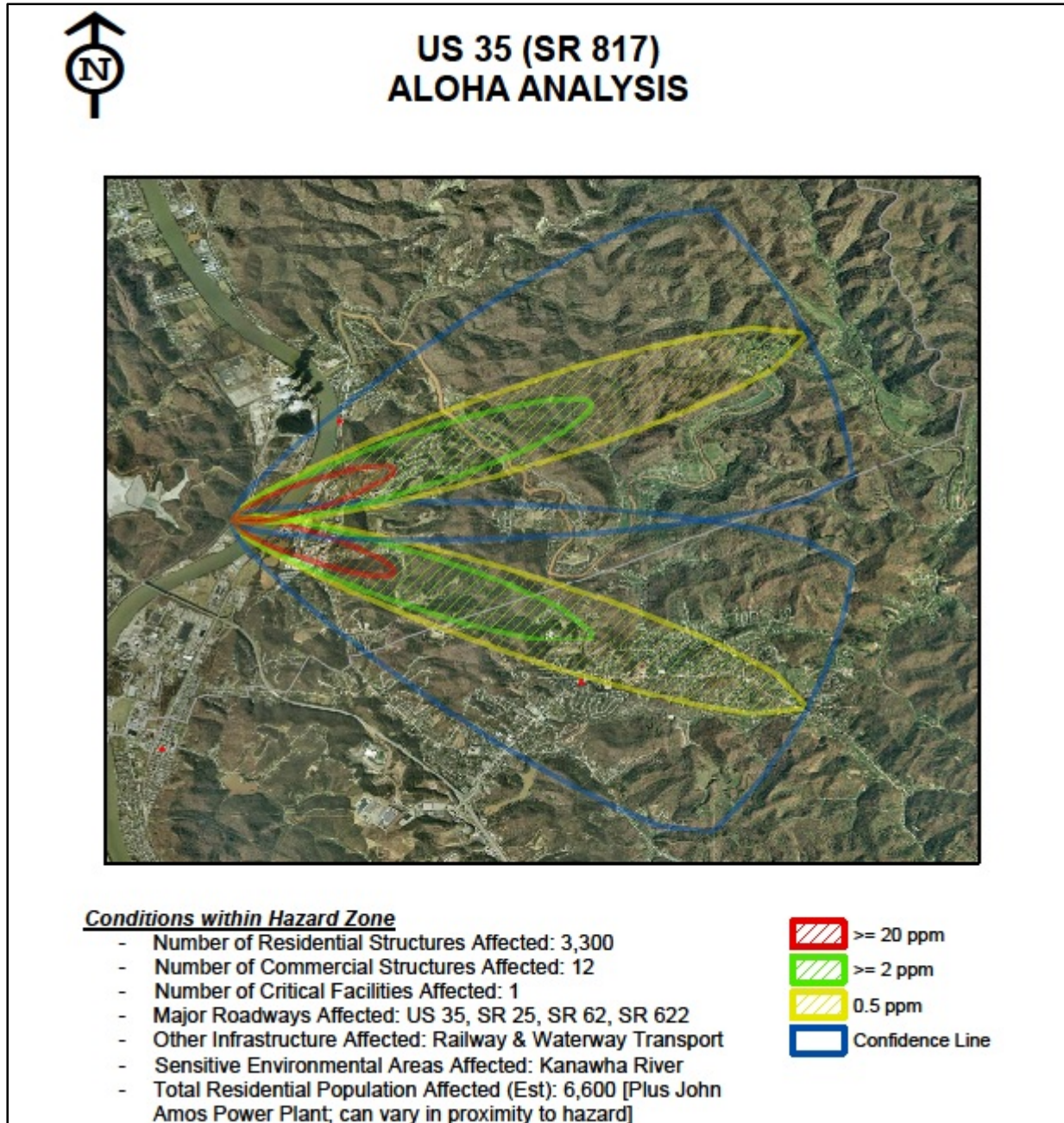


Figure 7.2

## PUTNAM COUNTY EVACUATION PLAN

### APPENDIX 7: TOYOTA MOTOR MANUFACTURING WEST VIRGINIA

Toyota Motor Manufacturing West Virginia (Toyota Plant) is located in Buffalo along the Kanawha River. The plant manufactures engines and transmissions for various Toyota, Pontiac, and Lexus models ([http://en.wikipedia.org/wiki/Toyota\\_Motor\\_Manufacturing\\_West\\_Virginia](http://en.wikipedia.org/wiki/Toyota_Motor_Manufacturing_West_Virginia)). The facility employs approximately 1,000 people ([http://americanautoworker.com/location-info.php?location\\_id=483](http://americanautoworker.com/location-info.php?location_id=483)); therefore, if an incident occurred within the facility, there could be a large number of people needing to evacuate. The Kanawha Putnam Emergency Planning Committee's Vulnerability Assessment (2009) states that the following materials are possibly on site:

Materials	
• 2-dimethylaminoethanol	• Ferrous Chloride Solution
• 4-Thiapentanal	• Flammable Liquids, N.O.S.
• Acetaldehyde	• Flammable Liquids, Toxic, N.O.S.
• Acetone Cyanohydrin	• Hydrochloric Acid
• Acrylonitrile, Stabilized	• Hydrogen Peroxide
• Ammonia, Anhydrous	• Liquefied Petroleum Gas
• Ammonium Nitrate	• Methacrylic Acid
• Butanols	• Methylamine, Anhydrous
• Carbon Dioxide, Refrigerated Liquid	• Methyl Isobutyl
• Chlorobenzene	• Methyl Isobutyl Ketone
• Chlorine	• Methyl Methacrylate
• Combustible Liquid, N.O.S.	• Methylamine, Anhydrous
• Corrosive Liquid, Basic, Inorganic, N.O.S.	• N, N-Dimethylformamide
• Diisobutyl Ketone	• Petroleum Distillates
• Dimethyl Ether	• Sodium Chlorate
• Dimethyl Sulfate	• Sodium Hydroxide Solution
• Dimethylamine, Anhydrous	• Styrene Monomer, Stabilized
• Dimethylamine, Solution	• Sulfur, Molten
• Elevated Temperature Liquid, N.O.S.	• Sulfuric Acid
• Environmentally Hazardous Substance, N.O.S.	• Trimethylamine
• Ethylene Oxide	• Vinyl Methyl Ether, Stabilized

Figure 7.3 shows the isolation distances if a hazardous materials incident occurs at the site. Because the water system, Kanawha River, can possibly get contaminated with a large or extremely large spill, effects could be felt beyond Buffalo's borders. This could result in the need for more than a site specific evacuation, reaching a partial evacuation, depending on how quickly material damming could occur.

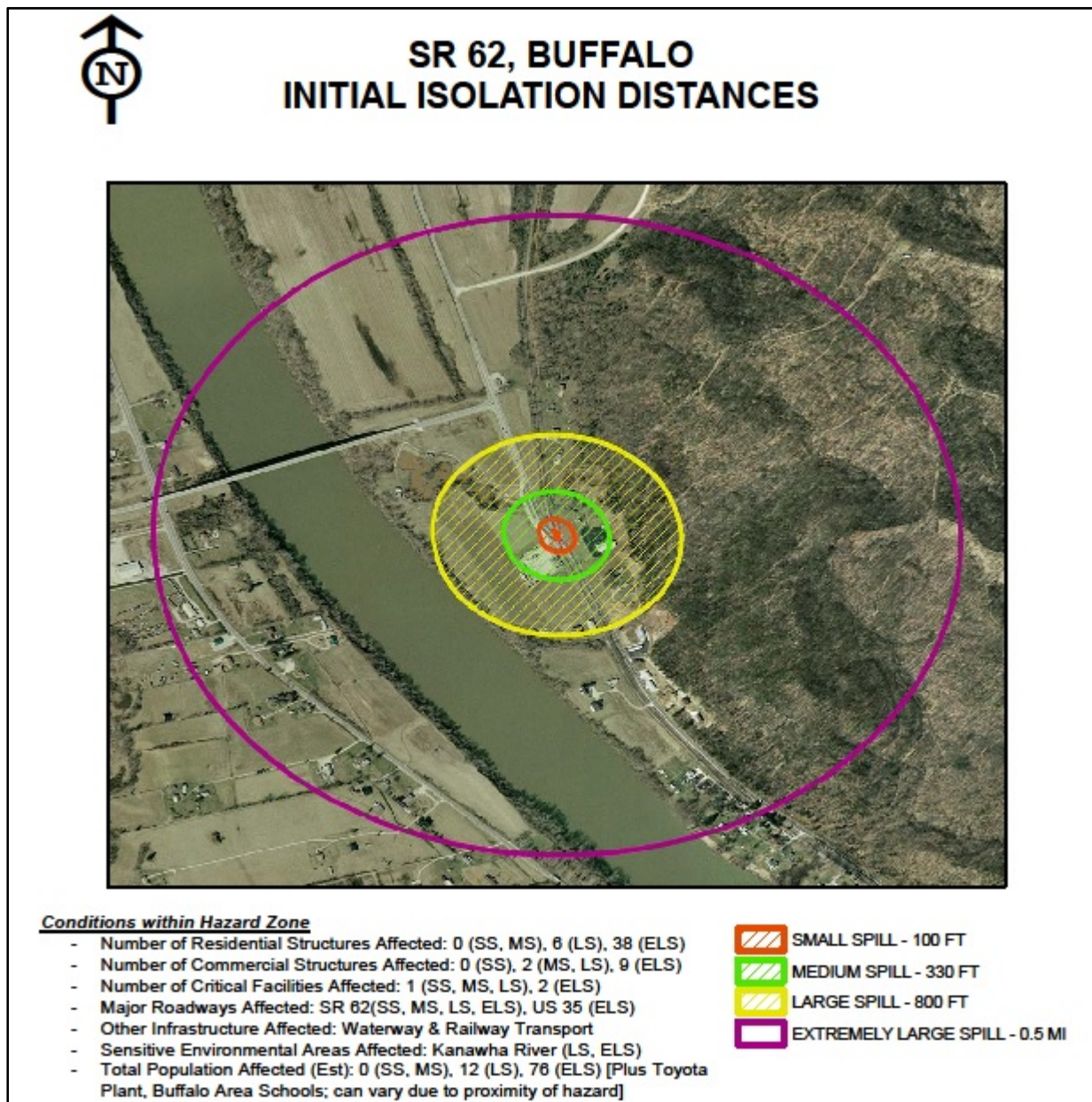


Figure 7.3 (KPEPC Vulnerability Assessment, 2009)

As for wind, ALOHA predicts that an incident will travel away from Buffalo, covering lightly populated areas as seen in Figure 7.4.

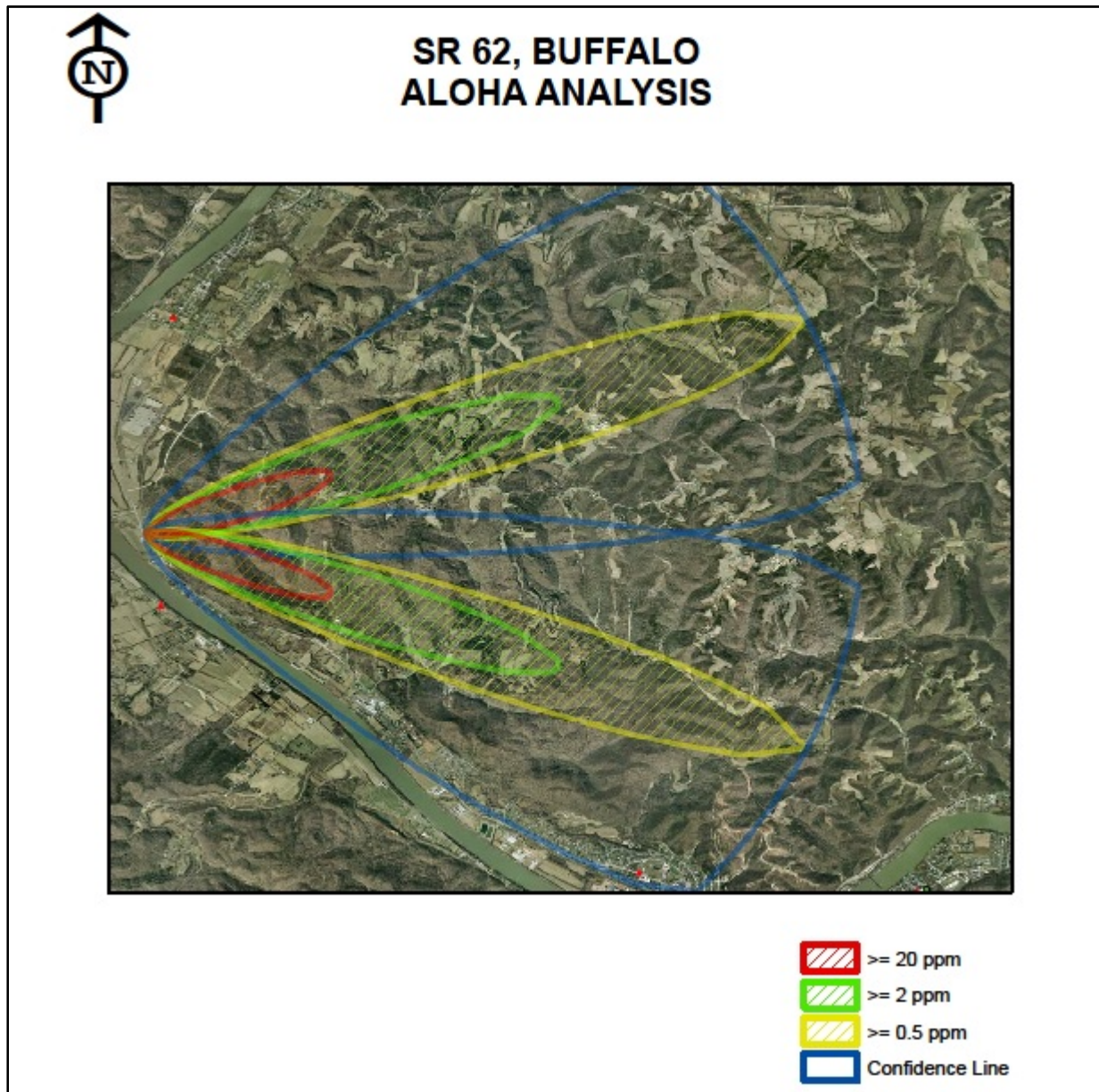


Figure 7.4 (KPEPC Vulnerability Assessment, 2009)

## PUTNAM COUNTY EVACUATION PLAN

### APPENDIX 8: GLOSSARY

This appendix presents definitions for commonly-used terms as well as lists the acronyms used in this plan. Both lists are not considered comprehensive; they present terms related to evacuation and acronyms found in this document only.

#### Definition of Terms

**Contraflow:** An abnormal state of a roadway, where the traffic temporarily travels in the opposite direction to normal. In the context of an evacuation, contraflow may be implemented such that all evacuation routes are carrying traffic out of a potentially-affected area, regardless of the regular direction of travel on the evacuation route.

**Emergency Operations Center (EOC):** The physical location at which the coordination of information and resources to support incident management (on-scene operations) activities normally takes place. An EOC may be a temporary facility or may be located in a more central or permanently established facility, perhaps at a higher level of organization within a jurisdiction. EOCs may be organized by major functional disciplines (e.g., fire, law enforcement, medical services), by jurisdiction (e.g., federal, state, regional, tribal, city, county), or by some combination thereof.

**Emergency Public Information (EPI):** Information that is disseminated primarily in anticipation of or during an emergency. In addition to providing situational information to the public, it frequently provides directive actions required to be taken by the general public.

**Evacuation:** The organized, phased, and supervised withdrawal, dispersal, or removal of civilians from dangerous or potentially dangerous areas, and their reception and care in safe areas.

**Evacuation Area:** An arbitrary geographic denotation meant to organize evacuation planning. Evacuation areas segment the total population of a jurisdiction into smaller,

more manageable portions so that decisions can be made about egress, sheltering, notification, etc.

**Evacuation Order:** The official proclamation that an emergency exists (or will soon exist) for which the most effective means of protecting life is evacuation. Evacuation orders are usually issued on the authority of an on-scene Incident Commander for small, immediate-onset emergencies, and/or the Chief Elected Official of the affected jurisdiction.

**Feeder Route:** A local roadway (or series of roadways) selected to link communities to a primary or secondary evacuation route.

**Incident Command System (ICS):** A standardized, on-scene emergency management construct specifically designed to provide an integrated organizational structure that reflects the complexity and demands of single or multiple incidents, without being hindered by jurisdictional boundaries. ICS is the combination of facilities, equipment, personnel, procedures, and communications operating within a common organizational structure, designed to aid in the management of resources during incidents. It is used for all kinds of emergencies and is applicable to small as well as large and complex incidents. ICS is used by various jurisdictions and functional agencies, both public and private, to organize field-level incident management operations.

**Mass Notification System:** A system, usually facilitated by cutting-edge technology (e.g., telephone, Internet, cellular networks, etc.), to warn a potentially affected population of danger. Mass notification systems can also be used to provide on-going Emergency Public Information during large-scale emergencies. Examples include Swiftreach, Reverse 9-1-1, WARN, etc.

**Memorandum of Understanding:** A document describing a bilateral or multilateral agreement between parties. It expresses a convergence of will between the parties, indicating an intended common line of action. It is often used in cases where parties either do not imply a legal commitment or in situations where the parties cannot create a legally enforceable agreement.

**Notification:** The alerting of emergency response personnel and the public to an imminent emergency situation, the related effects that specific hazards may cause, and appropriate protective actions.

**Pick-Up Point:** Areas where evacuees can assemble for transport to a shelter. Pick-up points are normally used to assist in the evacuation of those with transportation needs.

**Primary Evacuation Route:** A designated roadway to serve as the preferred route of egress from an affected area. Primary evacuation routes usually offer the most efficient, highest capacity capability for getting an affected population to safety.

**Reception:** The receipt of evacuees from an affected area in a safe area. Reception is normally coordinated by both the evacuating and host jurisdictions.

**Re-Entry:** The organized, phased, and supervised return of evacuees into an area affected by an emergency. Re-entry should only be permitted following damage assessments, inspections, public health clearances, and the resumption of basic services.

**Resource:** Personnel and major items of equipment, supplies, and facilities available or potentially available for assignment to incident operations and for which status is maintained. Resources are described by kind and type and may be used in operational support or supervisory capacities at an incident or at an Emergency Operations Center.

**Secondary Evacuation Route:** A designated roadway to serve as an alternate route of egress from an affected area. Secondary evacuation routes usually offer an additional high-capacity capability for getting an affected population to safety as well as serve as feeder routes to primary evacuation routes.

**Shelter-in-Place:** A process for taking immediate shelter in a location readily accessible to the affected individual by sealing a single area (an example being a room) from outside contaminants and shutting off all HVAC systems.

**Special Facility:** A facility that either adds to the overall risk during the implementation of an evacuation or a facility that creates a specific logistical concern during evacuation

implementation. Examples of logistical concerns could be a high number of special needs populations, a densely populated area, a type of specialized care at a site, etc.

**Special Needs (Population):** A population whose members may have additional needs before, during, and after an incident in functional areas, including but not limited to: maintaining independence, communication, transportation, supervision, and medical care. Individuals in need of additional response assistance may include those who have disabilities; who live in institutionalized settings; who are elderly; who are children; who are from diverse cultures, who have limited English Proficiency, or who are non-English-speaking; or who are transportation disadvantaged.

**Transportation Assistance:** Mobility-support services that are available to individuals with disabilities, the elderly, or those with temporary needs, who are unable to drive from one place to the next or use public transit due to physical or mental limitations.

**Urban to Rural Evacuation:** The evacuation of a population from an urban area to a rural area based on the perception of less risk in the urban area. Urban to rural evacuations present a challenge to the reception (i.e., rural) jurisdiction because infrastructure and public services would likely not be 1.) As robust as the evacuating population is used to and 2.) Large enough to handle the influx of people from the urban area.

**Warning:** The alerting of emergency response personnel and the public to the threat of extraordinary danger and the related effects that specific hazards may cause.

**Web 2.0:** Internet-based technologies that can be used to supplement emergency notification and warning activities. Examples include Facebook, Twitter, etc.



List of Acronyms

AEP	American Electric Power
ALOHA	Areal Location of Hazardous Atmospheres
ARC	American Red Cross
ATM	Automatic Teller Machine
BaseCap	Base (Roadway) Capacity
CAMC	Charleston Area Medical Center
CDP	Census-designated Place
CEO	Chief Elected Official
CPG	Continuity Planning Guide
CR	County Route
CRS	Community Rating System
DFIRM	Digital Flood Insurance Rate Map
DOH	Division of Highways
EAS	Emergency Alert System
EBS	Emergency Broadcast System
EHS	Extremely Hazardous Substance
EM	Emergency Management
EMPG	Emergency Management Performance Grant
EMS	Emergency Medical Services
EOC	Emergency Operations Center
EPI	Emergency Public Information
ES	Elementary School
ESF	Emergency Support Function
EVI	Evacuation, Immediate (i.e., EAS designation)
FD	Fire Department
FEMA	Federal Emergency Management Agency
FFS	Free Flow Speed
FIRM	Flood Insurance Rate Map
HCM	Highway Capacity Manual
HS	High School
HSPD	Homeland Security Presidential Directive
I	Interstate
IAP	Incident Action Plan

IC	Incident Command(er)
ICP	Incident Command Post
ICS	Incident Command System
IPAWS	Integrated Public Alert and Warning System
IRP	Interoperable Radio Project
JIC	Joint Information Center
KPEPC	Kanawha Putnam Emergency Planning Committee
LE	Law Enforcement
LP	Local Primary (as in EAS warning point)
MOU	Memorandum of Understanding
MS	Middle School
NCDC	National Climatic Data Center
NCR	National Capital Region
NIMS	National Incident Management System
NOAA	National Oceanic and Atmospheric Administration
N.O.S.	Not Otherwise Specified
NRF	National Response Framework
NWS	National Weather Service
OEM	Office of Emergency Management
OES	Office of Emergency Services
PCOEM	Putnam County Office of Emergency Management
PD	Police Department
PeakCap	Peak (Roadway) Capacity
PIO	Public Information Officer
PO	Post Office
POC	Point of Contact
SEOC	State Emergency Operations Center
SIRN	Statewide Interoperable Radio System
SITREP	Situation Report
SOG	Standard Operating Guideline(s)
SR	State Route
U2R	Urban to Rural (Evacuation)
UC	University of Charleston
US	United States

USACE	United States Army Corps of Engineers
USC	United States Code
USDHS	United States Department of Homeland Security
USDOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency
USGS	United States Geologic Survey
VFD	Volunteer Fire Department
WCS	Worst Case Scenario
WV	West Virginia
WVDHHR	West Virginia Department of Health and Human Resources
WVDHSEM	West Virginia Division of Homeland Security & Emergency Management
WVDOH	West Virginia Division of Highways
WVDOT	West Virginia Department of Transportation
WVSP	West Virginia State Police
WVSU	West Virginia State University
WVU	West Virginia University