

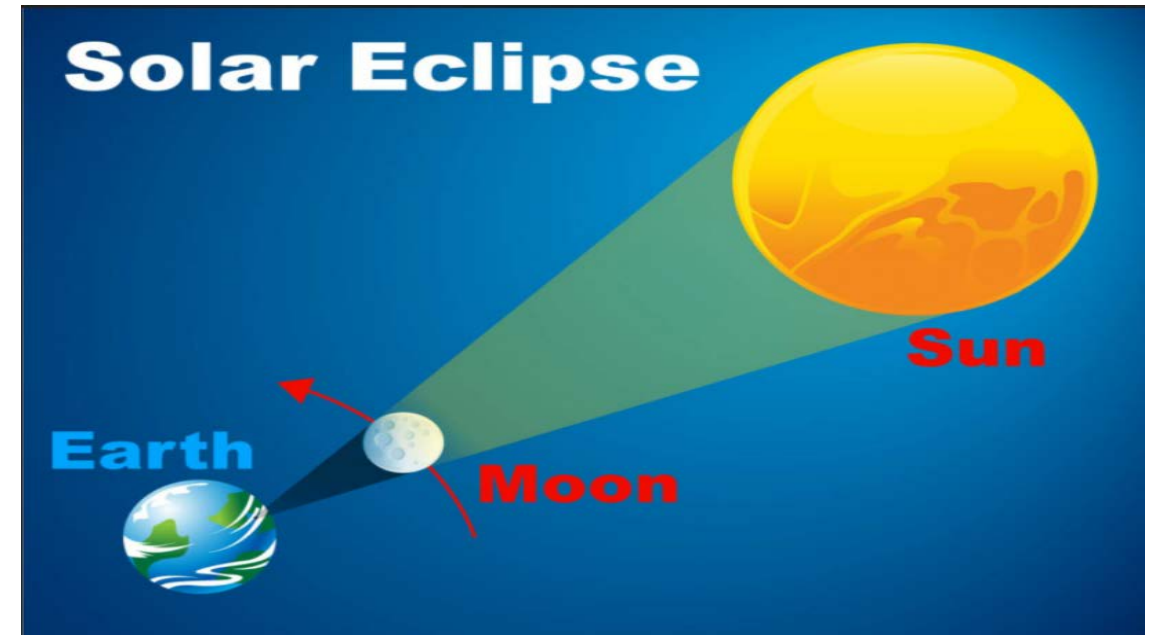
April 8, 2024 Total Solar Eclipse



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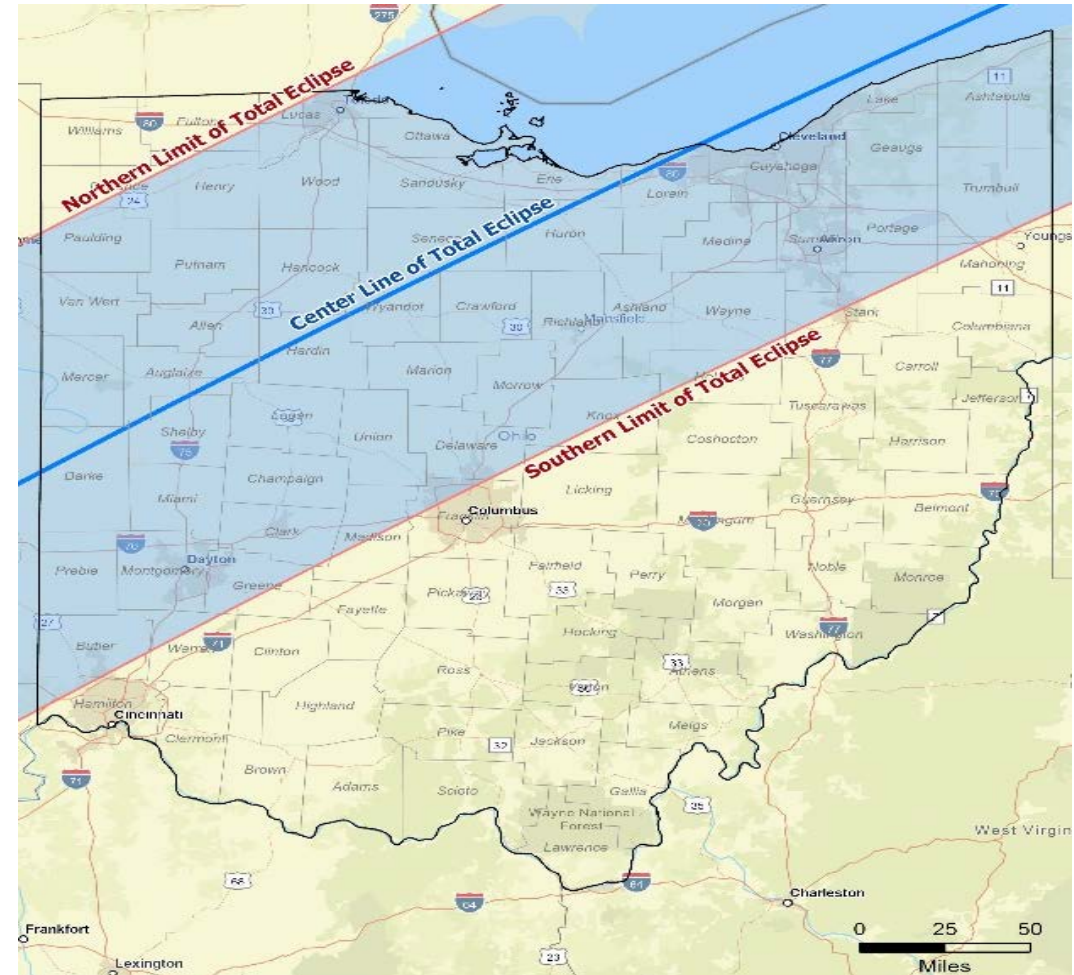
What is a Total Solar Eclipse?

- Last one in Ohio in 1806
- Only 15 visible in U.S. since 1867
- Last one in 2017 – visible in parts of Kentucky
- Last one in North America till 2044
 - Through the Arctic into ND
- Next on in Ohio – 2444



The Eclipse's Pathway

- **Total Solar Eclipse – April 8th, 2024**
- Eclipse will travel across Ohio from southwest to northeast
- Totality will enter Ohio near Greenville, Ohio around 3:00 pm, and will exit near Avon Lake, Ohio around 3:10 pm
- Takes about ten minutes to travel across Ohio
- Up to 2-4 minutes of totality – depends on where you are
- Areas of Totality and Partial Eclipse



2024 Eclipse in Augliaze County



What to Expect in your County

Nine Ohio counties intersect with the center line of totality – longest periods of totality and highest viewing demand

Auglaize, Darke, Erie, Hardin, Huron, Lorain, Seneca, Shelby (at its NW corner), Wyandot

Thirty-five Ohio counties have the entirety of their county within the area of totality – totality will be experienced throughout the county – high viewing demand

Allen, Ashland, Ashtabula, Auglaize, Champaign, Clark, Crawford, Cuyahoga, Darke, Erie, Geauga, Hancock, Hardin, Huron, Lake, Logan, Lorain, Marion, Medina, Mercer, Miami, Montgomery, Morrow, Ottawa, Preble, Putnam, Richland, Sandusky, Seneca, Shelby, Summit, Union, Van Wert, Wood, Wyandot



What to Expect in your County

Twenty counties have only part of county in the area of totality

Butler, Defiance, Delaware, Franklin, Fulton, Greene, Hamilton, Henry, Holmes, Knox, Licking, Lucas, Madison, Mahoning, Paulding, Portage, Stark, Trumbull, Warren, Wayne

Thirty-three counties are outside area of totality – partial eclipse only



What are the Impacts?

- Ohio is within a one-day drive of 70% of the U.S. population
- Local population in center-line communities could triple-to-quadruple
- Local population in other totality communities could double
- Extreme demand for hotels, campsites, entertainment facilities, parks, etc.
- Extreme traffic, stresses to local infrastructure
- Potential for local income generation
- Educational opportunities



Total Solar Eclipses: 2017 vs. 2024

	August 21, 2017	April 8, 2024
Population in path	12 million	32 million
Max Duration	2 min 40.2 secs	4 min 28.1 secs
Path width	71 miles	124 miles



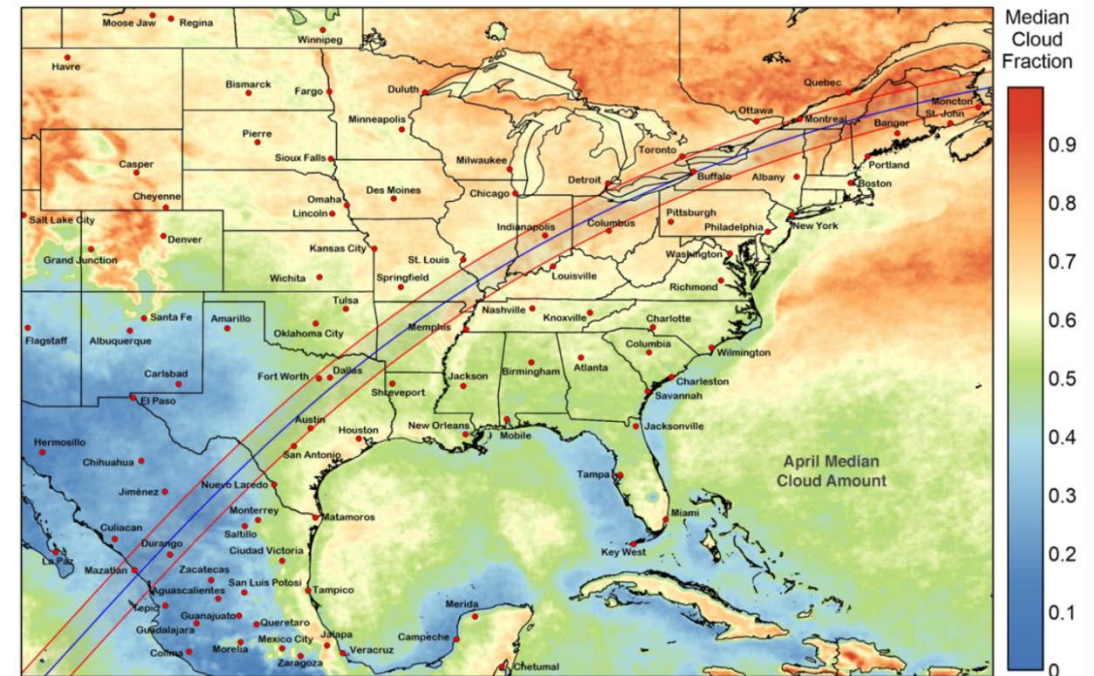
What do communities need to plan for?

- Local eclipse festivals and viewing parties – “Arrive Early, Stay Late”
- Population surge
- Traffic management – egress support
- Local infrastructure stresses
- Local emergency operational support – public works, law enforcement, supplies, sanitation, cellular communications
- Engage early with partners – whole community
- Health, **safety** and welfare
 - April weather could be an issue – cold, cloud cover



Weather in Ohio in April – Clouds or Not?

- The weather in Ohio in April is mild with temperatures between 39°F and 53°F
- You can expect rain for roughly half of the month of April in Ohio; expect roughly 8 to 15 days of rain
- You can expect a few days of snow in Ohio during April
- Historically areas around the lake in April experience less cloud cover than other parts of Ohio



Typical April (2000-2020) cloud cover measured from the Aqua spacecraft at approximately 1:30 p.m. local time from 2000 to 2020. The path of totality on April 8, 2024, is shown with red lines marking the northern and southern limits and a blue line up the center. Note the large number of major cities within the path or only a short drive away. Based on this map, Mexico and southern Texas offer the best prospects for a clear view of totality. Data: NASA. Eclipse track: Fred Espenak. Courtesy Jay Anderson, Eclipsophile.com.



What is the State Doing?

- Formed a State-level Eclipse Planning Task Force
- Conducted initial Needs Assessment
- Development of state level plans, and agency specific plans
 - Preparing Emergency Operation Plan for Eclipse
 - Developing exercises for plan review
- Preparing guidance documents and links to information
- State Eclipse Web Site



Ohio Eclipse Planning Task Force



Ohio

Department of
Public Safety

Department
of Education

Department of
Development

Public Utilities
Commission

Department of
Administrative Services

Department
of Health

Department
of Commerce

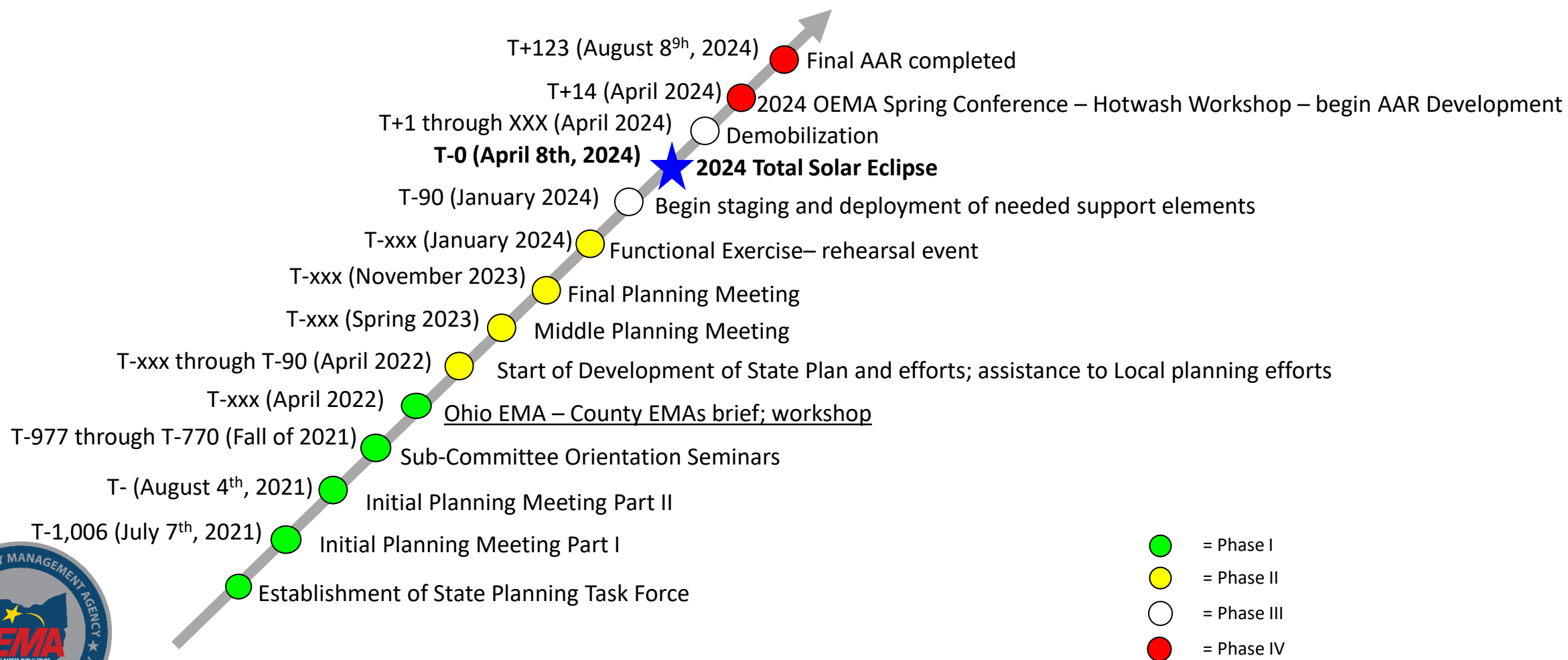


State Eclipse Planning Task Force

- The Task force has six sub-committees:
 - Communications and Operations
 - Health and Safety
 - Transportation
 - Viewing, Lodging and Local Support
 - Resources and Logistics
 - Education



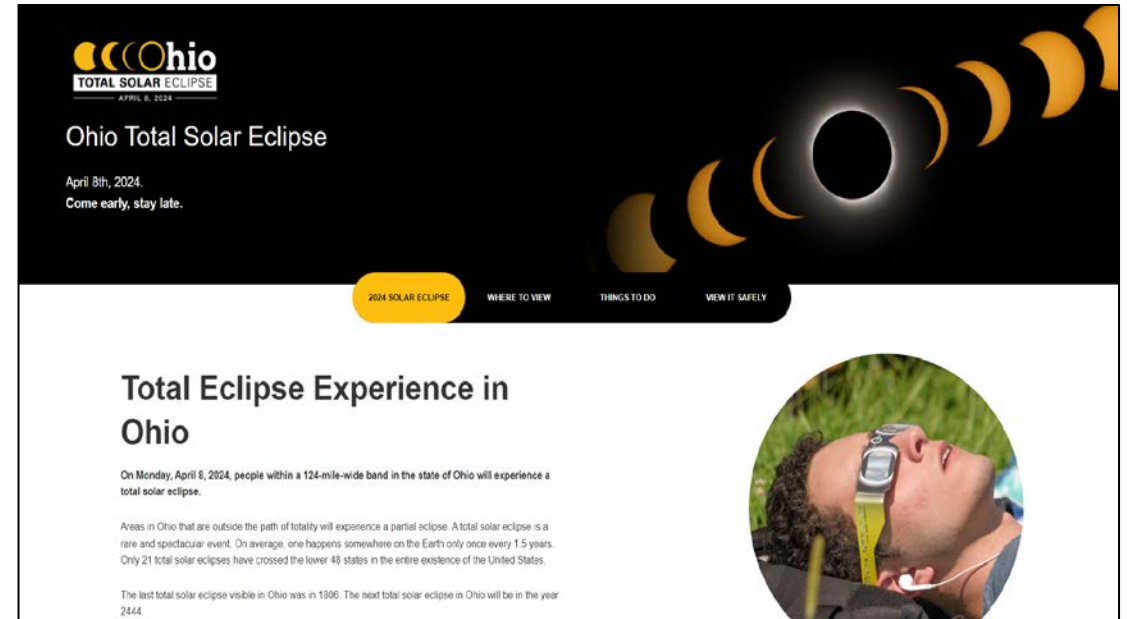
State Planning TF Timeline



All dates are tentative

State Eclipse Webpage

- Centralized location for eclipse information in the State
 - Links to other agency pages for updated information
 - Interactive map for searching for events and resources



Questions

