



Drought and Infrastructure A Planning Guide



DEFEND TODAY,
SECURE TOMORROW

OVERVIEW

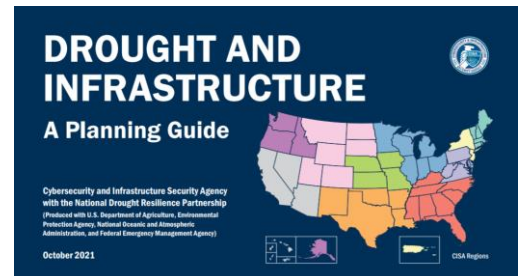
The *Drought and Infrastructure: A Planning Guide* (Drought Guide) introduces the nature of drought, how it can affect infrastructure operations, and federal agency sources of information and drought mitigation planning tools. The guide is intended to be used by CISA Regional staff, local, tribal, territorial, and regional governments, communities, infrastructure providers, and other stakeholders to anticipate and reduce the potential consequences of droughts on critical water, transportation, dams, power, and other services. The Drought Guide includes:

- An overview of the drought hazard and federal information sources on drought risk;
- Examples and an illustrative graphic of direct and indirect impacts that drought can have on infrastructure systems;
- A table of federal tools and resources to assess vulnerability or mitigate risk of drought;
- Illustrative graphics for communicating risk; and
- Links to other sources of information and references for further analysis of drought impacts to infrastructure systems.

DROUGHT PLANNING AND ADAPTATION CONSIDERATIONS & RESOURCES

The Drought Guide includes a table of mitigation tools and resources from other agency members of the National Drought Resilience Partnership organized by the steps outlined in the Infrastructure Resilience Planning Framework (IRPF) and typical planning processes.

- Lay the Foundation – Tools to assist in **identifying a collaborative planning group**, engaging infrastructure stakeholders, and **reviewing existing drought threats and hazards** that may be relevant to the planning effort to **prepare for drought and monitor mitigation** and adaptation outcomes.
- Critical Infrastructure Identification – Resources to help **identify potential critical infrastructure disruptions** resulting from drought and prioritize services and facilities for action.
- Risk and Vulnerability Assessment – Tools to help identify primary, secondary, and cascading **consequences of drought**, while also considering and **prioritizing impacts to the economy, health, and vulnerable populations**.
- Develop Actions – Program resources, ideas, and best practices that **support development of mitigation strategies and adaptation plans** to address priority infrastructure risks from drought to achieve community resilience goals.
- Plan Implementation and Monitoring – Resources that help communities **implement drought measures** through incorporation into existing local and regional plans and **identify technical assistance and financial resources** for drought planning and mitigation.



BENEFITS OF THE DROUGHT GUIDE

The Drought Guide is a succinct, but inclusive, compilation of drought-related resources for addressing the impacts of drought on infrastructure that is essential to the livelihood and resilience of communities across the nation. There is a strong emphasis on planning for drought due to the drop in reservoir levels, increased fire, and destruction of infrastructure from cycles of drought and flooding. For more information on the Drought Guide, contact the Infrastructure Security Division (ISD) Infrastructure Development and Recovery Program at IDR@cisa.dhs.gov.