

# National Weather Service *Strategic Plan*

## *Building a Weather-Ready Nation*

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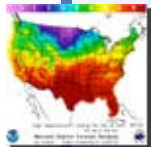


# A Changing World

- New and increasing needs from a Weather-Ready Nation require more integrated environmental services from NWS

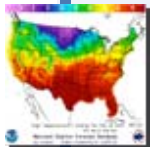
**Increased accuracy    Increased timeliness    Increased accessibility**

- An increasingly weather-sensitive Nation
  - *Extreme weather events continue and, in many cases, are more intense and more frequent*
  - *Water—too much, too little, quality*
  - *Population growth and demographic changes increase community vulnerability*
- Forecast uncertainty playing a more critical role in major decisions
- Growth of Private Sector weather and climate industry



# Key Concepts

- **Impact-based forecasts and warnings**
- **Decision assistance for life and property, major economic decisions**
- **NWS information foundation for growing US Weather Enterprise**
- **Partnerships**
- **Build a little, test a little, field a little**





# NWS Vision & Mission

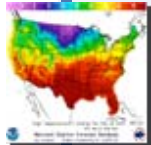
## Vision

**A Weather-Ready Nation:  
Society is Prepared for and  
Responds to Weather-  
Dependent Events**

## Mission

**Provide weather, water, and  
climate data, forecasts and  
warnings**

- **Protect life and property**
- **Enhance national economy**

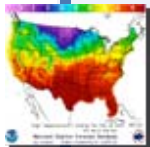


# Building a Weather-Ready Nation

## *Strategic Goals*

**GOAL 1:** *Improve weather decision services for events that threaten lives and livelihoods*

- Improve warning accuracies and lead times for high-impact weather and water events
- Exploit probability information to communicate uncertainty
- Improve community emergency preparedness and response

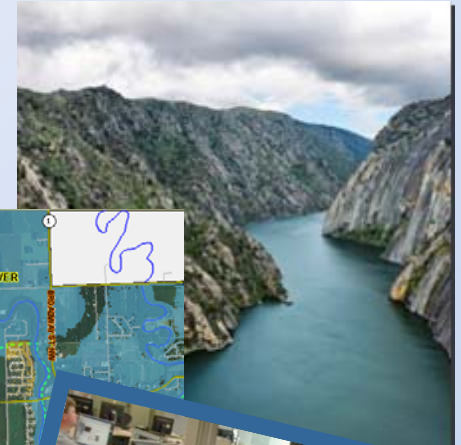


# Building a Weather-Ready Nation

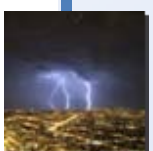
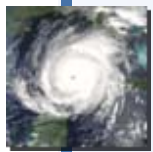
## *Strategic Goals*

**GOAL 2:** *Deliver a broad suite of improved water forecasting services to support management of the Nation's water supply*

- **Develop Integrated Water Resources Science and Services with partners**
  - *Establish National Water Center*
- **Deploy Community Hydrological Prediction System**



**NWS Strategic Plan**  
*Building a Weather-Ready Nation*

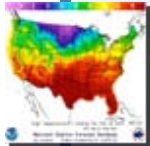


# Building a Weather-Ready Nation

## *Strategic Goals*

**GOAL 3:** *Support climate services to help communities, businesses, and governments understand and adapt to climate-related risk*

- Climate-quality observations
- NCEP's Climate Forecast System and Reanalysis Capability
- User engagement from 122 WFOs and 13 RFCs



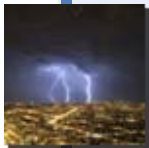
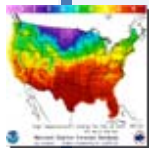
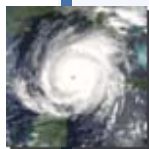


# Building a Weather-Ready Nation

## *Strategic Goals*

### **GOAL 4:** *Improve sector-relevant information in support of economic productivity*

- **Deploy NextGen Weather Products & Services**
- **Develop 4-D environmental database to support all missions and America's Weather Industry**
- **Enhance partnerships with Gov, Private Sector, Academia, EMS**



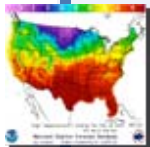


# Building a Weather-Ready Nation

## *Strategic Goals*

### **GOAL 5:** *Enable integrated environmental forecast services supporting healthy communities and ecosystems*

- Establish enhanced weather-dependent health decision support services
  - *Partnerships: other NOAA offices, federal agencies, and private sector*
- Develop new weather and water forecast capabilities to enhance NOAA ecological prediction and ecosystem decision support services

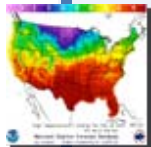


# Building a Weather-Ready Nation

## *Strategic Goals*

**GOAL 6:** *Sustain a highly-skilled, professional workforce equipped with the training, tools, and infrastructure to meet our mission*

- **Strengthen training, tools, and infrastructure**
  - *Hydrology, climate*
- **Strengthen labor involvement in upfront planning**
- **Integrate social sciences throughout the agency**



# Achieving our Vision

- **Investment in People**
- **Sound Infrastructure**
- **Successful Budget Strategy**
- **Continuous Dialogue with our Partners and Stakeholders**
- **National Academy of Sciences Study**

