Impacts of Climate Change on Communities



Food Security

Unpredictable timing for planting, tending, and harvesting crops
Reduced crop production and crop failures
Collapse of fisheries
Decrease in livestock fertility and meat/milk/egg production
Increased malnutrition
Migration of people from rural to urban areas in search of food
Increase in crop pests due to warmer winters
Food losses due to difficulty storing in extreme heat and weather events

Drinking Water

Loss of mountain snowpack and glaciers that supply drinking water
Drop in groundwater levels leading to dry wells and decreased river flow
Water contaminated by weather events
Flooding and storm damage of water infrastructure
Women and girls spending more time collecting water
Lower lake levels and dry lakes
Salt-water contamination of groundwater due to sea level rise
Water scarcity

Health

Heat exposure of people who work outside and live without air conditioning Heat stress causing increase in incidents of respiratory and heart issues Expanding range of vector-borne diseases Longer, more intense allergy seasons Mental health crises due to stress of climate related impacts Increase in water borne disease Increased vulnerability of children and elderly Exposure to sewage caused by weather events that damage infrastructure Mold in housing due to flooding

Impacts of Climate Change on Communities



Weather Events

More frequent and higher levels of river flooding
Higher tides
Flooding of low-lying areas
Sea level rise flooding coastal communities
Higher sea levels causing rise in water surface of rivers and Great Lakes
Increased and more frequent hurricanes
Damage / loss of housing due to more extreme weather events
Erosion and land degradation cause by weather events
More extreme hot/cold and wet/dry weather cycles
Drought
Wildfires

Violence

Increased poverty leading to social unrest Competition for limited resources Gender-based violence as family resources and options decrease Migration of displaced people