

Climate Change Impacts and Adaptation

**A crash course in what climate change is doing
and how some are taking action**

High Level Overview of Climate Change Trends

REGION	WT	ET	DT	IP	EP	D	F	EW	SLR
Alaska & Arctic	•								
Northwest	•								
California						•	•		•
Southwest						•	•		
Great Plains	•			•	•	•			•
Heart	•								•
Midwest		•		•	•			•	
Northwest		•		•					•
Southeast & Caribbean			•					•	•
Canada	•			•		•	•	•	•
Central America & Mexico	•		•	•					



Information adapted from NCA (2013) and IPCC AR5 (2014)

Impacts, Affects and Drivers

Climate Impacts

Extreme Events

- Extreme storms, rainfall, wind and fires

Degradation of Materials

- Reduce asset life from change in ground movement, corrosion rates, structural fatigue and chemistry

Resource Availability and Demand

- Water (drought), energy (heatwaves) and viable agricultural (climate)

Longer Term Loss

- Sea level rise and coastal erosion

Affects and Drivers

Infrastructure

- Facilities
- Transportation
- Pipelines

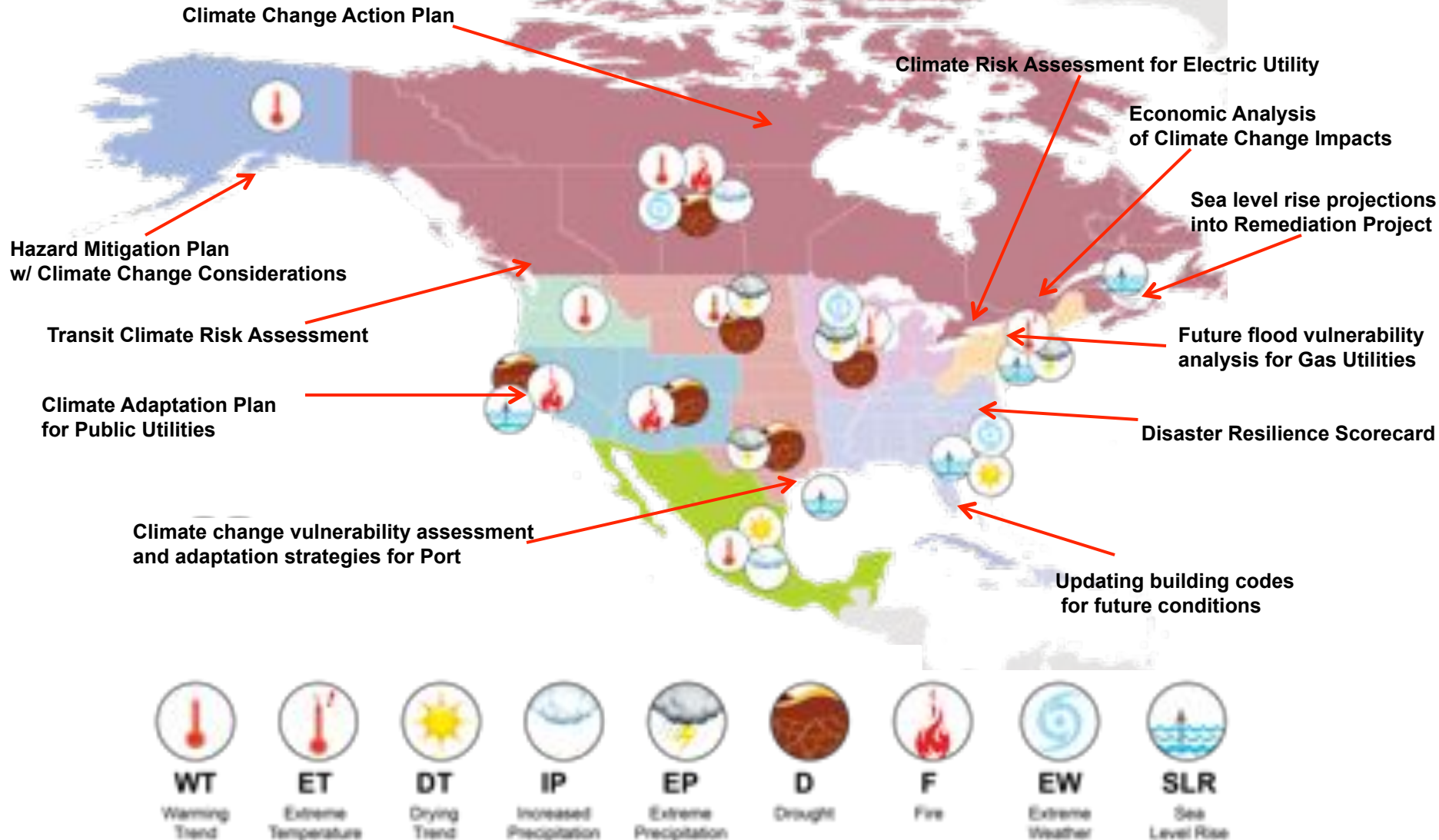
Operations

- Supply Chain
- Schedule

Employees

- Safety
- Access

Understanding and Addressing Climate Change



Information adapted from NCA (2013) and IPCC AR5 (2014)

The background of the slide features a dramatic image of multiple bright yellow and white lightning bolts striking across a dark, stormy blue sky.

Thank you

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