



RESILIENT COUNTY OPERATIONS

ACTION

RCO-1

Conduct a climate vulnerability assessment of all County critical assets and operational functions.



DESCRIPTION OF ACTION

By assessing the strengths and vulnerabilities of critical assets and operational functions, the County can prioritize upgrades and outline contingency operational procedures needed prior to an emergency event occurring.

LEAD DEPARTMENT

Office of Emergency Management

OVERALL TIMEFRAME

Medium

SHORT = Less than 1 year
MEDIUM = 1 - 3 years
LONG = 3 years or more

Planning Considerations

IMPLEMENTATION STEPS	TIMEFRAME	KEY PARTNERS
<p>1 Based on past County and State reports, update the inventory and maps of the County’s critical assets. Use a County-wide agreed upon definition of “critical assets” that includes key natural resources, facilities, utilities, and other infrastructure that is critical to maintaining County operations and services.</p>	SHORT	<ul style="list-style-type: none"> Geographic Info Systems Nevada Resilience Advisory Committee Consultant
<p>2 Document any known strengths and weaknesses of the assets that affect their resilience (e.g. aging infrastructure, water sources frequently affected by drought) through conversations with key stakeholders.</p>	SHORT	<ul style="list-style-type: none"> Fire Police Parks & Recreation Risk Management Real Property Management Environment & Sustainability Comprehensive Planning Social Services Southern Nevada Health District Southern Nevada Water Authority Utility providers Consultant
<p>3 Pulling from the most up-to-date climate data, assess—and map as possible—the current and projected climate hazards that will affect the County.</p>	SHORT	<ul style="list-style-type: none"> Environment & Sustainability Regional Flood Control District Nevada Resilience Advisory Committee Consultant
<p>4 Develop and apply evaluation criteria to all County assets based on the state of repair, the level of climate vulnerability (using an assessment of exposure, sensitivity, and adaptive capacity), and the criticality of the asset and its functions.</p>	SHORT	<ul style="list-style-type: none"> Environment & Sustainability Fire Risk Management Consultant
<p>5 Based on the evaluation, develop a ranked list of assets and operational functions in need of enhanced resilience (including timeframe).</p>	SHORT	<ul style="list-style-type: none"> Geographic Info Systems Consultant
<p>6 Develop recommendations for prioritized upgrades, contingency operational procedures, and other enhancements needed prior to an emergency event and to prepare for long-term resilience.</p>	SHORT	<ul style="list-style-type: none"> Fire Police Risk Management Comprehensive Planning Department Consultant

FINANCIAL AND TECHNICAL RESOURCES

FINANCIAL

- [Federal CARES Act funding](#)
- [Public assistance grants, FEMA](#)
- [Assistance to Firefighters Grant Program, FEMA](#)

TECHNICAL

- [Nevada Climate Change Portal Nevada Climate Change Project](#)
- [Climate Maps & Data, NOAA](#)
- [Climate & Disaster Risk Screening Tools, the World Bank](#)
- [State of Nevada Climate Initiative](#)
- [State Preparedness Report, State of Nevada](#)
- [Threat and Hazard Identification and Risk Assessment \(2017\), State of Nevada](#)
- [Determinants of Risk: Exposure and Vulnerability, IPCC](#)
- [Hazard Mitigation Plan \(2018\), Clark County](#)

CONSIDERATIONS FOR COLLABORATION/ OVERCOMING BARRIERS

- Translate climate change projections into concrete implications for each department’s responsibilities.
- Lean on other relevant departments to overcome small staff size.
- Host an interactive session with all affected departments to collectively brainstorm strengths and vulnerabilities of existing assets.
- Bring utility providers into the conversation early in the process.
- Design the evaluation criteria to accommodate a wide range of assets and operational functions.

MEASURING SUCCESS

OUTPUTS*

- Inventory of assets and operational functions with associated climate vulnerabilities

OUTCOMES*

- Decrease in the number of County assets vulnerable to climate risks
- Increase in the dollar value of resilience investments (compared to the dollar value of property loss risk)
- Increase in the number of operational functions taking climate change projections into account

*An **output** describes what has been created through implementation of the action. An **outcome** is the level of performance or achievement that occurred based on what was created.