Table 1. Results from City of Fort Collins Climate Change Adaptation Planning, presented in a vulnerability assessment format.

	y of Fort Collins Climate Change Ad		,
Target (resource,	Exposure	Sensitivity	Adaptive Capacity
population, or service)			
Water quantity for	Extended drought	Current storage capacity limited	Current reservoir storage can be
residents and businesses	Higher evaporation and	and new storage is controversial.	increased. (?)
	evapotranspiration leading to	Demand expected to increase	New storage is expensive.
	drier conditions, even if	with c.c.	Lack of diversity in supply increases
	precipitation increases	Water rights may provide	vulnerability.
	Lower snowpack – less storage,	insufficient yields – use would be	Conservation measures allow some
	quicker runoff	restricted.	adaptive capacity.
	Lower summer stream flow	Potential loss of	
		business/revenue.	
Water quality for	Lower flows, extended drought	Runoff following droughts or	New treatment may be needed –
residents and businesses	Coupled with severe storms	during floods will increase TOC	currently not in place.
	Flooding	and nutrients.	Lack of diversity in supply limits
		Potential loss of	adaptive capacity.
		business/revenue.	
Wastewater return to the	Lower flows, extended drought	Low flows and severe storms	DWRF has more adaptive capacity
natural environment	Coupled with severe storms	could increase pollutants.	then MWRF (can divert).
("receiving")	Earlier spring snow melt; rain-on-	Effluent likely to not meet water	Designed for 50-yr. to 100-yr. floods.
	snow events	quality standards.	Collection system has some areas of
	Flooding	Higher and more frequent peak	poor condition.
	_	discharges could lead to facilities	Current system built based on
		damage.	historical standards – needs to be
		Maintenance/repair costs could	upgraded to provide level of
		increase. Public perception an	protection that is expected.
		issue.	
	Higher temperatures affect water		Conservation measures to retain
	chemistry.	Could challenge required limits	flow allow some adaptive capacity.
		for NPDES, but there is some	
		room for change.	
Energy supply	Higher temperatures	Increased demand (in summer?)	Additional resources needed to
		Goal to reduce GHG emissions a	increase capacity.
		consideration. Need to have low	Conservation measures allow some
		carbon sources.	adaptive capacity.

Table 2. Vulnerability assessment applied to Fort Collins Utilities climate change impacts and implications information (Note: this is an example, and is not based on expert input).

		SENSITIVITY			
		Low	Med	High	
ADAPTIVE CAPACITY	Low			Water quality	
	Med		Wastewater return	Water quantity	
	High			Energy supply	

Red = highly vulnerable Orange = med-high vulnerability Yellow = medium vulnerability Light green = med-low vulnerability Dark green = low vulnerability

Prioritization

Very high priority = High community value (cultural, social, economic), large magnitude of expected impacts, near-term and/or mid-term impacts.

High priority = High community value. Severe impacts, but timing may be many decades in the future or projections may be especially uncertain.

Medium priority = Very specific impacts with limited geographic scope. Medium community value.