



Meeting Summary

Project Title: SWSI Update
Prepared for: Colorado Water Conservation Board

Purpose of Meeting: M&SSI TAG Meeting
Date: September 26, 2017
Location: Denver West Conference Center
Time: 9:00 a.m. to 1:00 p.m.

Following is a general summary of input received during the Municipal and Self-Supplied Industrial (M&SSI) Technical Advisory Group (TAG) meeting on September 26, 2017. Specific comments from TAG participants and corresponding responses are provided separately as **Attachment A**. We appreciate the TAG participants' thoughtful contributions and all comments and recommendations will be carefully considered as we prepare the final M&SSI Demand Methodologies Technical Memorandum. The polling results of the group exercise are also included as **Attachment B**.

Summary of Major Comments and Discussion related to the Municipal Demand Methodology

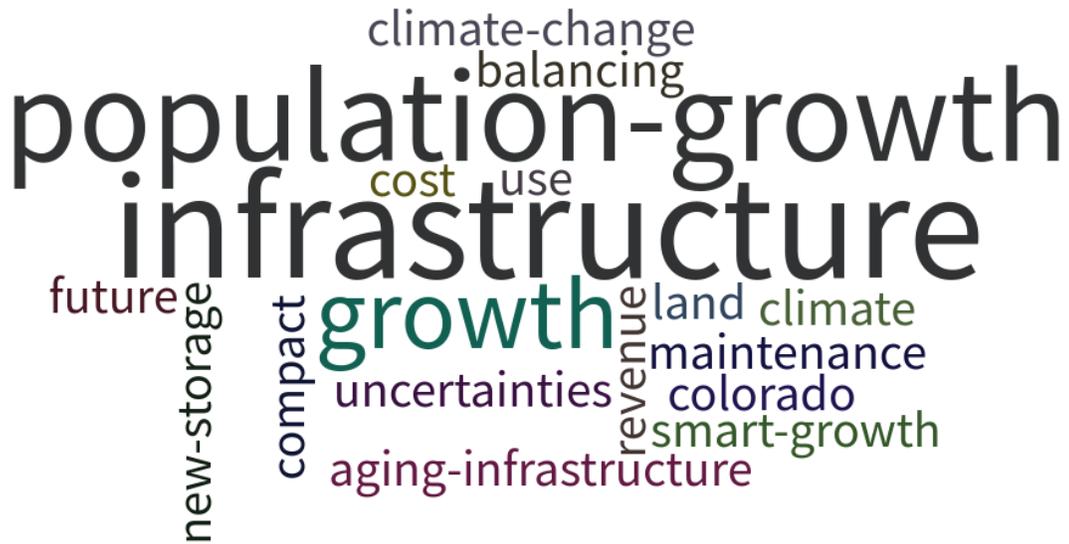
- ❖ Relative demand rankings for the five scenarios identified in the Colorado Water Plan must be maintained.
- ❖ The procedures for applying adoption rates should be explained in more detail.
- ❖ Explain that the only demand forecast is for the year 2050, with no projections for intervening dates, because 2050 is the only date for which climate projections are available.
- ❖ Consider using different adoption rates for indoor versus outdoor demands.
- ❖ A more efficient future residential indoor gallons per capita per day (gpcd) value should be used for one scenario, but note it will require technological advances and supporting regulations.
- ❖ Non-residential demand trends are challenging to predict. Therefore, it is recommended that a range of relative increases and decreases be used for the five scenarios.
- ❖ A range of relative increases and decreases should also be used for outdoor demands.
- ❖ Consider adjusting baseline dataset if years relied upon are determined to be above/below average.
- ❖ Non-revenue water (NRW) should be clearly defined and should vary across the scenarios. Baseline value should be based on data from 1051 reporting. NRW is something that could be evaluated in greater detail by the Basin Roundtables.
- ❖ Return flow percentage from outdoor uses should decrease under scenarios with more efficiency. Adjustments to indoor return flow assumptions are not recommended.
- ❖ No fatal flaws identified with the overall approach.

Summary of Major Comments and Discussion related to the SSI Methodology

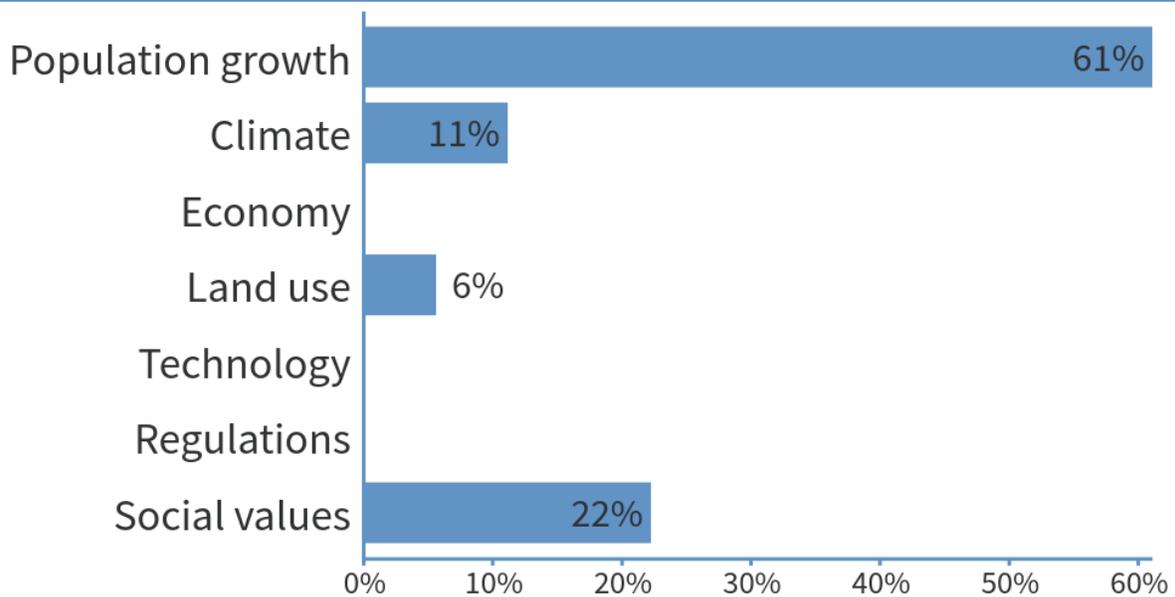
- ❖ Large industry and thermoelectric demands should be updated with new information provided by TAG participants. Future demands should vary by scenario based on Colorado's Water Plan (CWP) descriptions.
- ❖ Energy development demands should be updated with data published after SWSI 2010. No targeted outreach is recommended. Future demands should vary by scenario based on CWP descriptions.
- ❖ SWSI documentation should recommend that next SWSI update could be improved if additional SSI information is included in Basin Implementation Plans.
- ❖ No fatal flaws identified with the overall approach.

Attachment B: Polling Results of M&SSI TAG Meeting

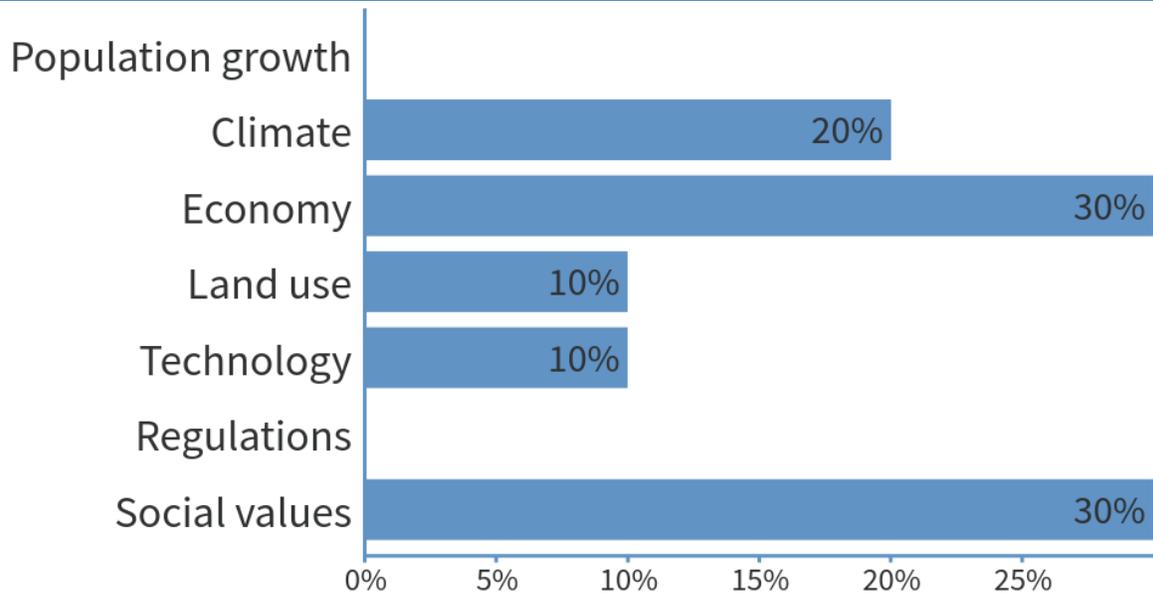
What is one of the biggest challenges facing Colorado urban water providers today?



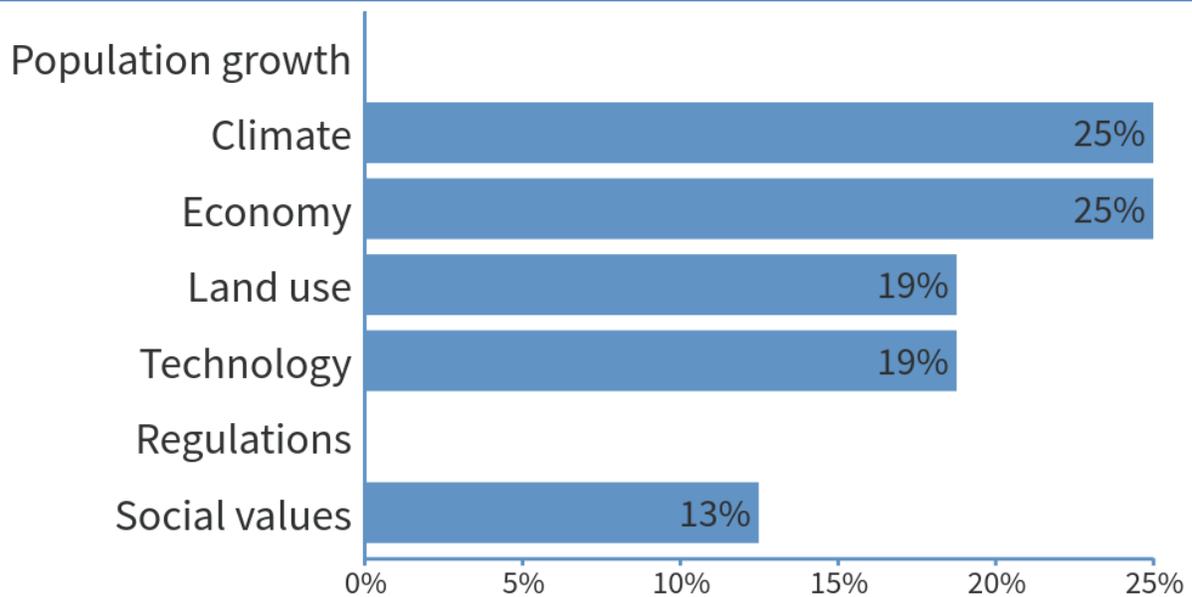
What will be the greatest driver of urban water demand into the future?



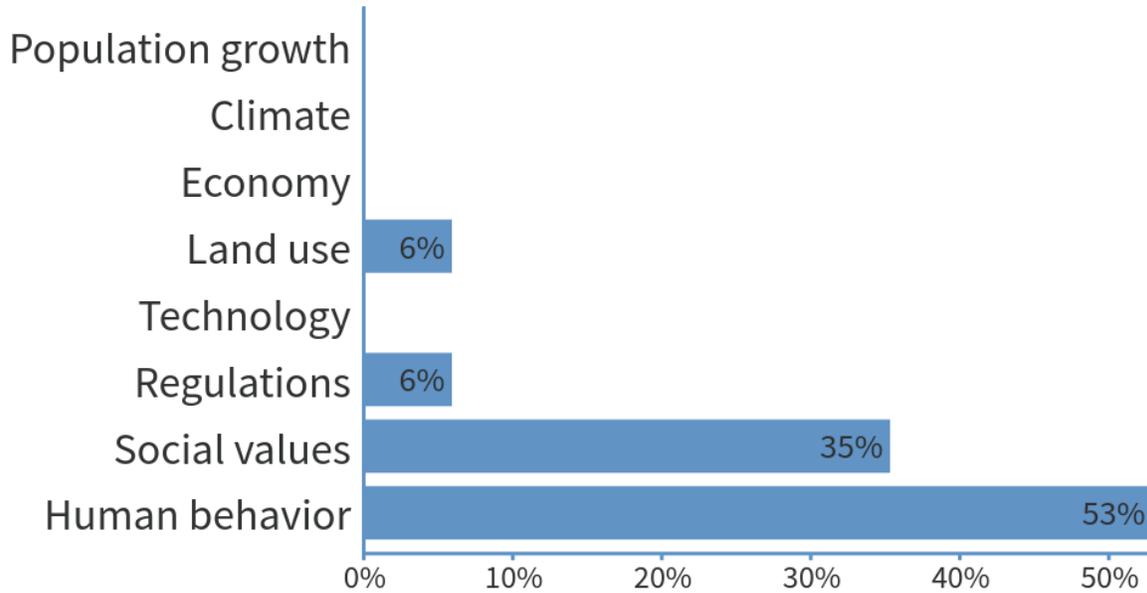
What will be the 2nd greatest driver of urban water demand into the future?



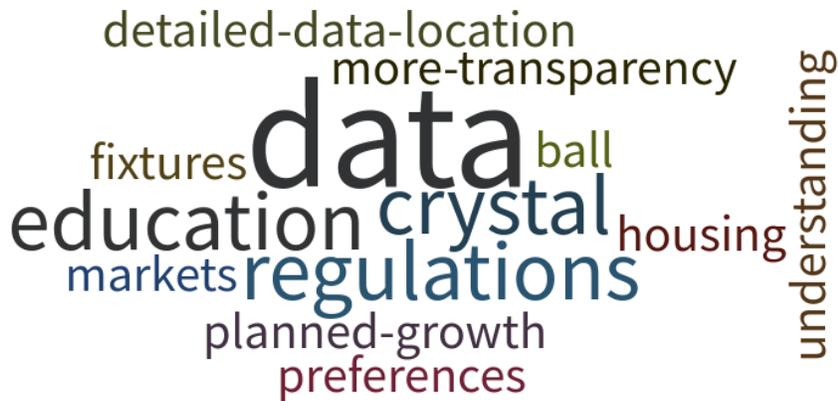
What will be the 3rd greatest driver of urban water demand into the future?



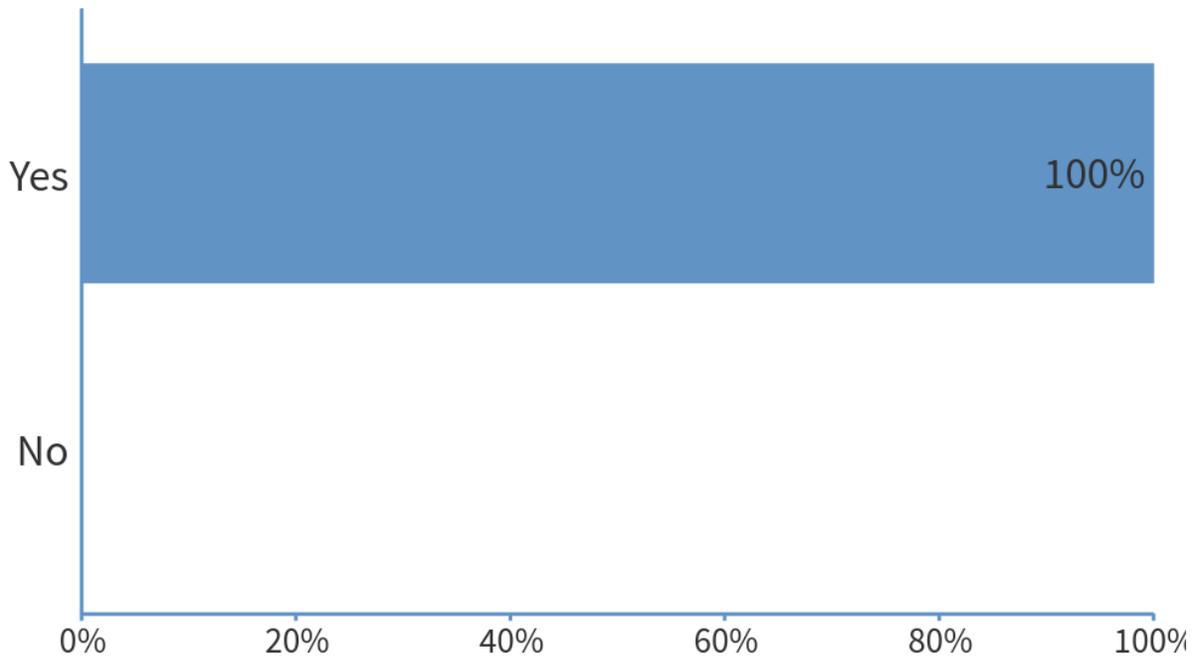
What (other than lousy data) is the greatest challenge to accurately forecasting future urban water demand?



What would help improve urban demand forecasts for Colorado?



Are we improving upon SWSI 2010?



What more can be done to improve the M&I component of SWSI?

