



## OVERVIEW

Drought and climate change have reduced water levels at Las Vegas' water source, the Colorado River and Lake Mead. As a major operator of resorts, many of which are in the desert destination of Las Vegas, MGM Resorts understands the importance of water as a critical resource and is committed to water efficiency and conservation.

## BACKGROUND

- Lake Mead is the source of approximately 90% of Southern Nevada's water supply. In June 2022, Lake Mead dropped to 27% of its capacity.
- Using a circular water management system managed by the Southern Nevada Water Authority, nearly every gallon of water that goes down the drain is recycled back to its source for reuse.
- 76% of MGM Resorts' water use is non-consumptive (recycled back to Lake Mead for reuse.)

## MGM RESORTS' APPROACH TO WATER CONSERVATION

### Commitment to Water Stewardship

- In 2022, MGM Resorts was the first gaming company to endorse the **CEO Water Mandate**, a global initiative and coalition of hundreds of major companies making bold commitments to address water crises and challenges.
- In 2022, MGM Resorts published a **Global Water Policy** to codify and communicate its commitment to water stewardship.
- In 2022, MGM Resorts was one of 57 companies to achieve a **double-A rating on climate change and water security from CDP**, one of the world's most detailed assessments of corporate water impacts and disclosures.

### Water Targets & Progress

- MGM Resorts met its initial 2025 water target to reduce water withdrawal intensity by 30% in 2019, then enhanced the target to 33% by 2025 and 35% by 2030.
- Between 2007 and 2022, MGM Resorts reduced water use by 37% and avoided the use of more than 6 billion gallons through conservation and water-efficient building design.

### Current Actions at Las Vegas Strip Resorts

- **Water Recycling**
  - Invest in water recycling during Design & Development (e.g., more than 90% of the water of the Shark Reef Aquarium at Mandalay Bay is reused.)
  - Fountains of Bellagio use an onsite well and pool water from the 'O' Theater' as source water, avoiding reliance on water from Lake Mead.
- **Drought-Tolerant Landscaping**
  - Removed more than 200,000 square feet of grass, replacing it with drought-tolerant alternatives
  - These water conservation approaches help save millions of gallons each year.
- **Water Efficiency Practices**
  - Installed water-efficient equipment at all properties, including automatic faucets, low flow water closets and urinals, and low flow showerheads.
  - Installed water-efficient dishwashing machines in ARIA's culinary areas, with a projected water savings of 686,943 gallons per machine annually.
  - Guests are encouraged to participate in the Linen Reuse Program.
  - Employee training:
    - Kitchen employees trained on water-efficient food preparation and cooking techniques.



- Housekeeping teams engaged on water optimization and water-efficient cleaning techniques.
  - All managers+ required to complete eCourse on MGM Resorts' commitment to water stewardship.
- **Evaporative Cooling**
    - Installed smart sub-metering on all Las Vegas cooling tower systems to determine consumptive use.
    - Increased efficiency of cooling towers, garnering up to 50% reduction in water use.
  - **Utility-Level Reporting**
    - MGM Resorts uses Resource Advisor-a centrally managed database that captures utility invoice data and readily shows spend and volume trends, enabling us to understand water use in individual facilities.
  - **Building System Monitoring**
    - In the process of installing advanced submeters on the inflow and outflow points of all Las Vegas cooling tower banks to quantify evaporative water loss from cooling towers.
  - **Water Efficient Chemical Management**
    - Work with chemical and water treatment partners to ensure water in pools and cooling towers is optimized for as long as possible before replacement, saving thousands of gallons of water from being prematurely flushed.

### Lake Bellagio

- The iconic Lake Bellagio and Fountains of Bellagio use recycled water from the "O" Theater and water from onsite underground wells.