



# Popular Resort & Convention Center, Aurora, Colorado

## Breathtaking Colorado Venue Leans on Water-Saving Rain Bird® Products in Expansion Project

Stunning mountain views, world-class dining, kid-friendly activities, and state-of-the-art amenities make this impressive resort and convention center a popular destination for the whole family. With five restaurants, a spa, a water park and plenty of entertainment, guests flock from all over the world to enjoy Aurora's alpine offerings.

### THE CHALLENGE

The resort is undergoing an expansion and as it grows, the irrigation system must grow with it. Commercial landscaper, BrightView®, will be managing irrigation needs for this project. It's clear to BrightView that a complex this large requires a substantial amount of water—and the city of Aurora prides itself on being especially water-conscious. To be a success, any additions to the irrigation system must operate with exceptional efficiency.

### THE SOLUTION:

In order to meet the needs of the resort, convention center, and the city of Aurora, BrightView will rely on Rain Bird, the industry leader in advanced water-conservation technology. The game plan will be to install intelligent irrigation products that are durable, consistent, and easy to operate—maximizing efficiency at every turn.



ESP-LXD Series 2-Wire Decoder Controllers

#### Core Products Used:

- ESP-LXD Series 2-Wire Decoder Controllers
- 4G Cellular Cartridge
- IQ™ Central Control
- Xeri-Bug™ Emitters with Check Valve
- XQ ¼" Landscape Dripline
- 1800® Series PRS Sprays with SAM Check Valve

#### KEY OBJECTIVES

- ✓ **Conserve Water**
- ✓ **Track Savings**
- ✓ **Increase Efficiency**
- ✓ **Scale Existing System**



## Site Report: **Popular Resort & Convention Center, Aurora, Colorado**

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### APPROACH:

#### Expand Reach

From the start, the project relied on Rain Bird smart controllers and **IQ Central Control**. Now, the goal will be to expand the power of the existing system. This begins with installing additional **ESP-LXD Series 2-Wire Decoder Controllers** equipped with **IQ 4G Cellular Cartridges**. These intelligent controllers will work together in perfect sync, interpreting data from the field and optimizing water usage accordingly. IQ technology also allows teams to step in and manage irrigation at any time—even from afar—with their smartphone or mobile device.

#### Embrace New Technology

The project was originally spec'd for traditional dripline. Rain Bird, however, recently released a novel new product called **Xeri-Bug™ Emitters with Check Valve (XBCV)**. This pressure-compensating emitter prevents drainage by holding back 10 feet of water (3 meters)—the highest in the industry. By upgrading to XBCV emitters, the property will save significantly more water. In fact, this site's **160,000' of tubing holds 3,672 gallons of water. Without the check valve feature, this volume of water could be wasted following every single irrigation cycle. If the system runs 24 weeks per year, 3 times per week, check valves could potentially provide over 250,000 gallons of water savings per year.**

#### Opt for Superior Sprays

Rain Bird's 1800 Series offers a large selection of pop up spray heads and high-efficiency nozzles ideal for shrubs, lawns, and planters. **1806-SAM PRS Spray Bodies** will be perfect for watering turf on the property while conserving resources. In fact, the pressure-regulating stem (PRS) has been known to **save up to a gallon of water per minute.**



“ It was vital for us to choose an irrigation partner that would provide material recommendations, have product availability during a time of scarcity, and offer troubleshooting if issues arise. Rain Bird team was proactive in helping to identify beneficial changes to the irrigation plans and they recommended materials that would provide the most effective water management and cost savings for the client. Overall, our experience with Rain Bird has been exceptional.

**BRIAN DREES**  
PROCUREMENT MANAGER, ROCKY MOUNTAIN REGION  
BRIGHTVIEW® LANDSCAPE DEVELOPMENT

### RESULTS:

#### Saving Every Last Drop

With the use of ESP-LXD Series Controllers, high-efficiency sprays, and a total of 90,000 XBCV emitters, this bustling resort and convention center can expect a **water savings upwards of 35%**! This is a stellar success for the venue, the city of Aurora, Rain Bird, and BrightView alike.