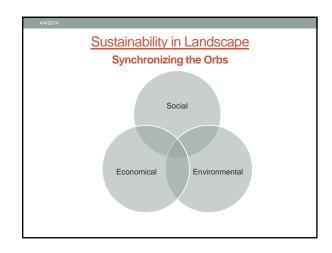
# Private Sector – Landscape CTR's

- Lawrence O'Leary; 2014 President California Landscape Contractors Association, San Diego Chapter.
- This discussion asks; is a vibrant landscape in San Diego important and can WE as a mutualistic organism achieve the desired outcomes while minimizing negative outputs?









# Sacramento Leads

 "When God doesn't provide the water, it is not here" explained the governor to farmers. Without offering details he expressed confidence by stating "if anybody can get it done, I can get it done and I am working day and night to achieve it". Feb 2014 4/4/2014

#### Workers Work - Peak 2007 #'s

- · Horticulture is a \$17 billion sales generator.
- 100,000 fulltime and 170,600 part time jobs.
- Landscapers, nursery operations, manufacturing, distribution, maintenance, homeowner purchases, etc.
- Plants will happily absorb more CO<sub>2</sub>.

4/4/20

### Support

- Professional designers supported by ASLA
- · Licensed Contractors back by CLCA
- Irrigation Industry by Irrigation Association
- All to promote Water, Soil, and Energy Conservation via professional design and services.

4/4/201

#### Contributions - We'll take some credit

- Landscape known as largest water consumer in urban sector.
- Improvements? Yes! Drier gutters? Yes!
- Annual Per Capita use down over 6% over 5 years. UCSD is attempting to achieve 4%.
- How EFFICIENCY in mechanical devices for new and retrofit situations.

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## Don't forget EFFECTIVE

- My industry has developed control systems integrated with flow, daily weather, precipitation control by the minute
- But have we left the operator behind? Yes.
- Assistance via Workforce programs needed to train true Water Managers (and improve their living situation).

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#### The smallest are the greatest

- Beyond components for recycled water or heavily chlorinated potable water is this fact for our region.
- Most urban water in San Diego goes for outdoors. 30% has been reduced in 6 years. And most of that water is pushed out of sprayheads.
- $^{\circ}$  We use less, we pump less, we  $\mathrm{CO}_2$  less, we run-off to the ocean less.

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## The Components

- · Pop-up Sprayheads;
- Nozzles improved from 50% efficient putting out 1.5" per hour to 80% efficient putting out 1" per hour.
- Rotary Spray nozzles replace clunky large rotors and inefficient (and ineffective) spray nozzles
- The Light Bulb Story

4/4/201

# Funding for long-term water management to include Landscape because.....

- We work to keep SD looking right + property values in check.
- We are large consumers of water.
- There are wasteful situations that can be repaired and lower long-term water / pumping / CO² issues.
- More recycled or at least available in the warmer months means acceptable purple pipe water pricing. And the Waiver is continued !!!