

MPUSD's Current Response to the Drought

- 46.8% reduction in water use across the District
- 415,749 Square Feet of Turf Turned Off
- 46 Evapotranspiration Smart controllers installed across the District
- 105,415 square feet of Artificial Turf
 - MHS
- 3 field Retrofits complete and 3 in progress
- 5 Professional Drought tolerant landscape plans
- 5 cisterns – 8,700 gallons rain catchment
 - Colton, King & Ord Terrace (3)
- 13 S.T.E.A.M Gardens
- 4 Storm water rain gardens
 - Ord Terrace, IMC, Olson and Marina Vista



6 Year Water Conservation Plan

Use Water conservation savings to fund upgrading our fields irrigation:

Use Water Conservation Savings to fund Drought Tolerant Landscaping

Create and sustain a Science, Technology, Engineering, Art, Mathematic garden at every school site

Implement and sustain a turf care standard

Reduce Turf by 65%



At the end of 6 years

- Sustainable S.T.E.A.M outdoor classroom
- Sustainable Savings due to reduction of need of water and leak avoidance
- Sustainable Turf Care Program
- Updated Efficient Healthy Turf Fields
- 65% turf reduction with drought tolerant landscape
- Two new fields (MHS and Highland)
- Sustainable Grounds Improvement Fund



Hydro-Point Weather Trak ET controllers



Since the Installation of Smart Controllers at
all California American Water sites
MPUSD has reduced water use by 40.4%
Saving 6,368,000 gallons of water

Ord Terrace Water Conservation Project



- 2 cisterns install
- 5 professional Drought Tolerant Landscape Designs
- LID native garden
- Set a Standard for Drought Tolerant Landscape
- 5th grade Eco Garden with Return of the Natives



15,213 square feet of Turf Removal

First 100% ornamental Turf removal

65% reduction of Water Use

Ord Terrace Field

22% reduction in irrigated Turf - 15,682 square feet

- Flow sensor and Master Valve connected to the Hydro-point Smart Controller
- Efficient Irrigation Mapping with like head stationing
- 2-3ft boarder to avoid dry weather run off.
- Focused irrigation to use.
- Set a Standard for all MPUSD Fields



Before



After

57% reduction in water use

Del Rey Woods



MPUSD has submitted a proposal to receive funding to convert 50,065 square feet of Turf into Drought Tolerant Landscape

Monta Vista



MPUSD has submitted a proposal to receive
funding to convert
3,500 square feet of Turf into Drought Tolerant
Landscape

Other Projects for 2015-16

King field Retrofit-- 92,350 square feet of Turf Removal+ irrigation efficiency
City of Seaside

King Reading Garden- 4800 Square feet of Turf Removal- City of Seaside

Highland- 2808 Square feet of Turf Removal- City of Seaside

Foothill field Retrofit- 12,052 square feet of Turf Removal+ Irrigation efficiency
Cal Am Water

Colton Field Retrofit- 8000 square feet of Turf Removal+ Irrigation efficiency
Cal Am Water

Bay View Academy- Middle school Student Oceanography Club
Water Conservation Projects- Cal Am Water