This presentation premiered at WaterSmart Innovations

watersmartinnovations.com



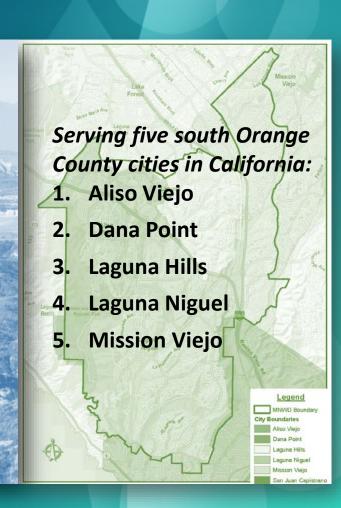


Direct Install Turf
Replacement Program:
Changing an Old Concept

Elaina Hurst – Water Efficiency

Moulton Niguel Water District

- Water, recycled water & wastewater services to around 170,000 people and 65,000 connections
- 14 billion gallons average annual demand
- 28 Potable water reservoirs
- 12 Recycled water reservoirs
- 700 miles of potable water pipelines
- 148 miles of recycled water pipelines
- 537 miles of sewer pipelines





Orange County Turf Removal Program



OC Water Smart

Get Start

low to Appl

Participation Process

Terms

rogram FAC

Resources

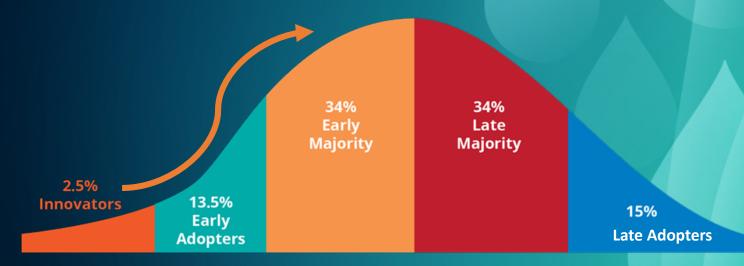
- Participating in program since 2011
- 5 million square feet of turf removed
- 2,477 Residential and 268 Commercial Rebates
- Do-It-Yourself Approach
- Quality Control Measures
- Submit Project Receipts
- Customers wait for rebate check





Need Landscape Market Transformation

- Turf replacement neighborhood effect
- IRWD study shows 1 : 2 ratio (rebate : no rebate)
- Opportunities still available to the District
- Support market transformation with quality landscapes





MNWD Demand Management Approach

- Using market research for program development
- Incorporate educational elements
- Iterative, measured approach
 - Focus on pilots
 - Proof of Concept/Effectiveness
 - Responsible with Public Funds







UC Riverside Study Findings

- UCR reviewed rebate and consumption data
- Online survey in October 2016
- Focus on outdoor programs
- Customers want easy programs
- Annual average savings of 45.7 gallons per ft²







Increasing Participation

Removing barriers to participation

- Care & maintenance of new landscapes
- Plant, designer, & contractor selection
- Receipt management
- 10-12 week wait for rebate check









Multi-Benefit Landscapes

- Watershed Quality Improvements
 - Reduce dry weather runoff
 - Keep stormwater on-site
 - Mitigate impact to streams and ocean
- Regionally native plant species
 - Climate appropriate
 - Requires more customer education
 - Requires knowledgeable contractors







Design of Pilot Program

- Residential Landscape Workshop (District Pays)
- Pre-Qualifying Irrigation & Site Assessment (District Pays \$175)
- Landscape Design (50/50 cost share Total \$550, District pays \$275)
- Turf Removal
- Landscape Installation (\$2/sqft rebate applied upfront as discount)
- Post-Installation Site Assessment (90 days after, customer pays)
- Administered by Program Manager within Contractor Network





Residential Landscape Workshop (District Paid)

- Regionally native plant species
- Care & maintenance of natives
- SoCal climate
- Watershed Wise
- Healthy soils
- Irrigation





- Pre-Qualifying Irrigation & Site Assessment (District Paid \$175)
- Non-refundable deposit on design (\$275)



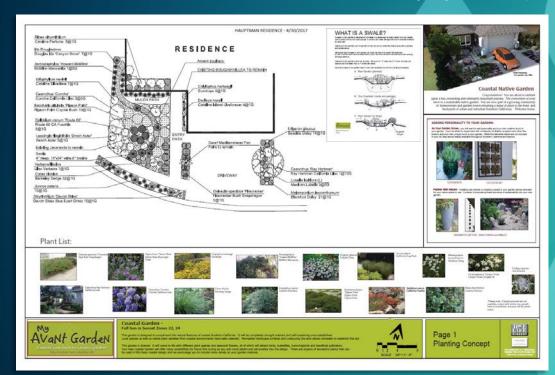






- Landscape Design
- Customer signs Contractor agreement

(50/50 cost share – Total \$550, MNWD pays \$275)





- Turf Removal
- Landscape Installation







- Post-Installation Site Assessment
- Customer questions and education







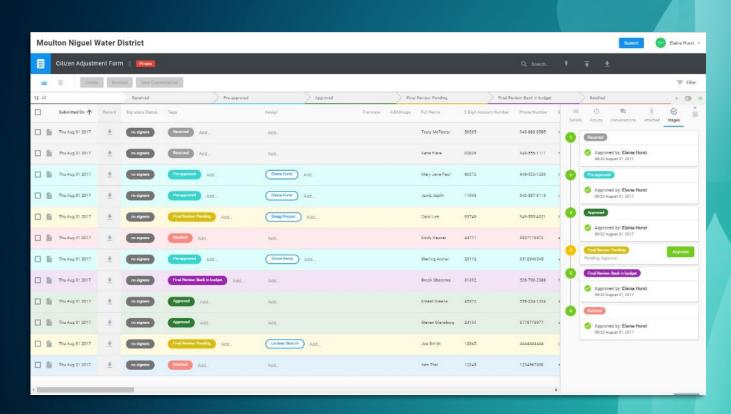
SeamlessGov Form and Workflow Manager





SeamlessGov Form and Workflow Manager

Administered by Program Manager within Contractor Network





Contractor Network and Program Management

- Required C-27 Landscape Contractor
- Subcontracted with Designer and Turf Removal contractor
- Created Program Manager function (Designer)
- Agreement configuration was determined by licenses









Transformations











Transformations









Program Comparison

Orange County VS Partnership	Direct Install Turf Replacement
Do-it-yourself	Vetted contractor Network
Do-it-yourself	Landscape Design with cost share
Rebate after install	Upfront discount No keeping receipts
Educational Website Optional to attend workshop	Owner must attend Workshop In-person consultation 90-Day Follow-up consultation
California Friendly or Artificial Turf or Gravel with a few plants	Regionally native plants Incorporating watershed-wise design



Lessons Learned

- Education essential to success
- Provide customer with expected costs
- Legal elements prevailing wage and bonding
- Modified program limitations
- Develop a clear workflow







Full Scale Direct Install Turf Replacement Program

- Holding an internal contest to select a market-ready name
- Pre-solicitation survey to 300 OC Contractors
- Request For Proposal Process
- Will run concurrently with regional turf removal program
- Developing dedicated turf replacement website
- Ready to launch in late Fall





Contact Us

ELAINA HURST ehurst@mnwd.com Water Efficiency Team 949-448-4025

www.mnwd.com 27500 La Paz Road Laguna Niguel, CA 92677



FOLLOW US ONLINE!

