

Integrated Water Resource Solutions for the Carlsbad Watershed

1

Project Objectives



CONNECT RECYCLED
WATER SUPPLIES WITH
RECYCLED WATER DEMAND
WITHIN NORTH SAN DIEGO
COUNTY



CREATE WIN/WIN
SITUATIONS FOR ALL
ORGANIZATIONS INVOLVED
AND THE REGION AS A
WHOLE



PARTNERSHIPS AND
COLLABORATION TO BUILD
LOCAL SUSTAINABLE
COMMUNITIES

2



REGIONAL
BENEFITS

- * Decrease dependency of imported water thru recycled water
- * Reduces ocean discharge & pollution to waterways
- * Provide K-12 water education

3



Benefiting
/Supporting
Agencies

- San Elijo Joint Powers Authority
- Nature Collective
- Olivenhain MWD
- San Dieguito WD
- Santa Fe ID
- City of Encinitas
- City of Solana Beach
- City Del Mar

4

PROJECT DESCRIPTION: Implement streetscape improvements and approximately 4.5 miles of recycled water pipelines in the City of Encinitas and the City of Solana Beach converting ~ 100 AFY of irrigation from potable water to recycled water, and water quality/quantity monitoring and education.

Component 1: Highway 101 Streetscape

Component 2: Deleted

Component 3: Manchester Avenue Recycled Water Pipeline

Component 4: Via de la Valle/Highway 101 Recycled Water Pipeline

Component 5: Encinitas Ranch Recycled Water Pipeline

Component 6: San Elijo Water Campus LID Project

Component 7: San Elijo Lagoon Water Quality/Quantity Monitoring

Component 8: Community Outreach



5

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Component	Project Name	Project Element Lead	Proposed Grant Funding
1	Highway 101 Streetscape	City of Encinitas	\$ 200,000
3	Manchester Avenue Recycled Water Pipeline	Olivenhain Municipal Water District	\$ 600,000
4	Via de la Valle/Highway 101 Recycled Water Pipeline	City of Solana Beach	\$ 600,000
5	Encinitas Ranch Recycled Water Pipeline	San Elijo Joint Powers Authority	\$ 600,000
6	San Elijo Water Campus LID	San Elijo Joint Powers Authority	\$ 370,000
7	San Elijo Lagoon Water Quality/ Quantity Monitoring	The Nature Collective	\$ 35,000
8	Community Outreach	The Nature Collective	\$ 40,000
	Project Management	San Elijo Joint Powers Authority	\$ 55,000
Total			\$ 2,500,000

6



*Component 1
Highway 101
Streetscape*

- Project Leader: City of Encinitas
- Grant: \$200,000

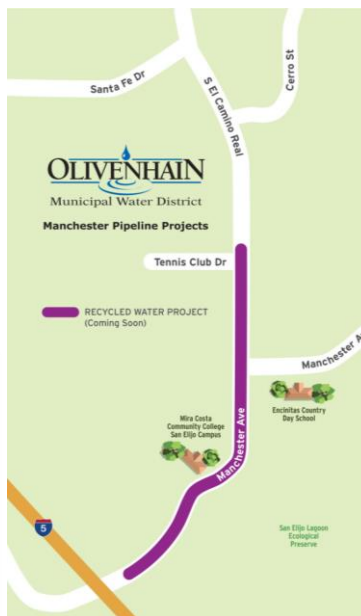
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*Highway101
Streetscape*

- Recycled water plumbing
- Native & California friendly landscape
- Stormwater infrastructure improvements

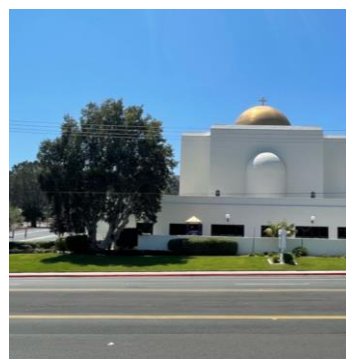
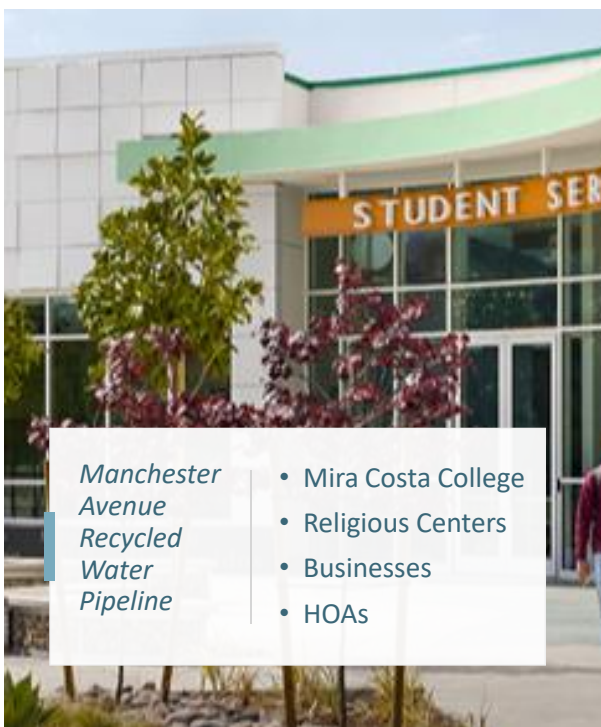
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Component 2
Manchester Avenue Recycled Water Pipeline

- Olivenhain MWD
- Grant: \$600,000

9



Manchester Avenue Recycled Water Pipeline

- Mira Costa College
- Religious Centers
- Businesses
- HOAs

10

Manchester Avenue Recycled Water Pipeline

Future Sites

- Agriculture
- Caltrans Park & Ride



11



Component 4

Via de la Valle/Highway 101 Recycled Water Pipeline

- Project Leader: City of Solana Beach
- Grant \$600,000

12

City of Solana Beach
Providing RW to:

- HOAs
- Businesses
- Coastal Rail Trail



13

Component 5 Encinitas Ranch RW Expansion

- Project Leader: San Elijo JPA
- Grant: \$600,000
- 500 home HOA
- 29 Acres of Open Space
- 1,700 trees
- Public Paths
- Pocket Parks



14



Encinitas Ranch RW Expansion

Agricultural Uses Include:

- Grapes
- Olives
- Avocados

15



ECO-FRIENDLY FARMING FOR A SUSTAINABLE FUTURE

By embracing regenerative agriculture practices like no-till farming, cover cropping, and chemical-free methods, we support microbial diversity and the regeneration of the land's fertility. This approach minimizes our carbon footprint and ensures long-term sustainability, offering our customers environmentally responsible food choices.



16

Component 6
San Elijo Water Campus LID Project

Construction of Low Impact Development (LID) facilities designed to reduce water pollution entering San Elijo Lagoon.

Project Leader: San Elijo JPA
Grant: \$370,000



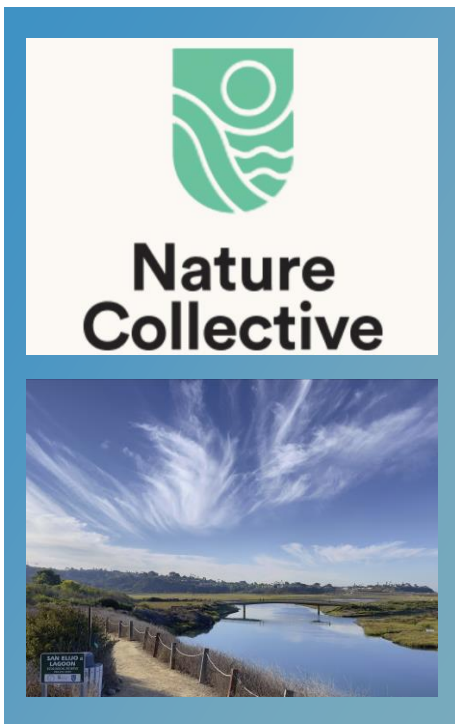
17



San Elijo Water Campus LID Project

LID facilities capture trash, sediment, and other pollutant loads, while slowing the velocity of runoff to help encourage infiltration and peak flow attenuation.

18



Component 7
**San Elijo Lagoon
 Water Quality/Quantity
 Monitoring**

- San Elijo Lagoon, a 303(d) listed water body is a vital and unique ecosystem in the Carlsbad Watershed
- Support existing water quality and quantity monitoring efforts in the San Elijo Lagoon
- Data collections & uploading for two years

19



Component 8
**Community
 Outreach**

Conduct outreach efforts to 600 students from elementary, middle, and high schools to the San Elijo Lagoon watershed to participate in state approved water education curriculum.

20