



STERLING NATURAL RESOURCE CENTER: Making Every Source a Resource

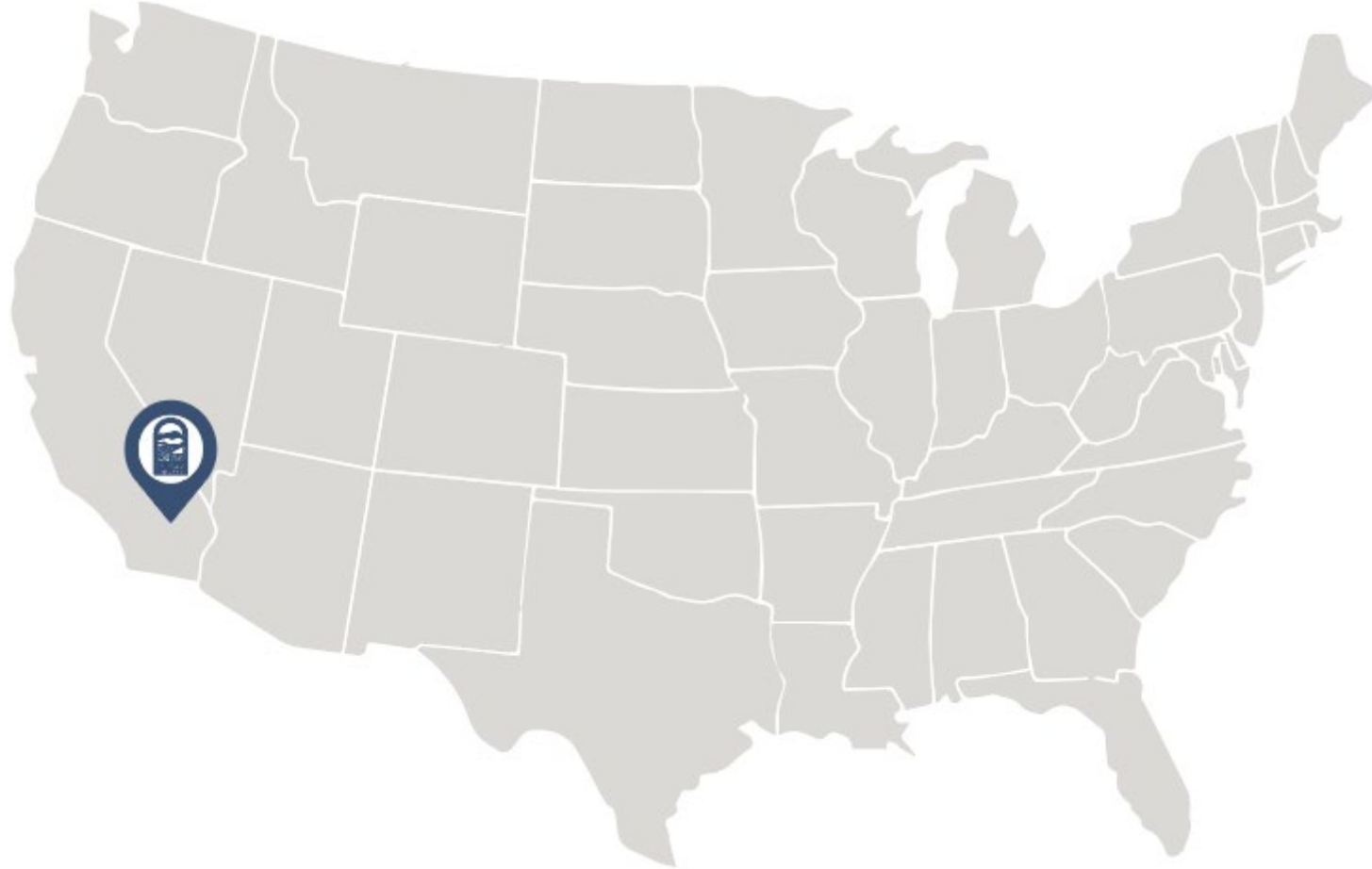
John Mura
General Manager/CEO
East Valley Water District



EAST VALLEY
WATER DISTRICT

EAST VALLEY WATER DISTRICT

HIGHLAND, CALIFORNIA



VISION & CORE VALUES

Enhance and preserve the quality of life for our community through innovative leadership and world class public service.

Leadership: Motivating a group of people to act towards achieving a common goal or destination.

Partnership: Developing relationships between a wide range of groups and individuals through collaboration and shared responsibility.

Stewardship: Embracing the responsibility of enhancing and protecting resources considered worth caring for and preserving.



STERLING NATURAL RESOURCE CENTER: DESIGNED FOR PURPOSE

- State-of-the-art technology
 - *8 million gallons a day (MGD), expandable to 10 MGD*
- Exceeds water quality standards for drought-proof supply
- Community recreational uses
 - *Events, meetings, demonstration*
- Energy generation
 - *3 megawatts of electricity*
- Solid waste diversion
 - *130,000 gallons per day of high strength food waste*
- Educational and employment opportunities
- Soil remediation



Video Available at https://www.youtube.com/watch?v=Zs4i_kg4ZKY&t=3s

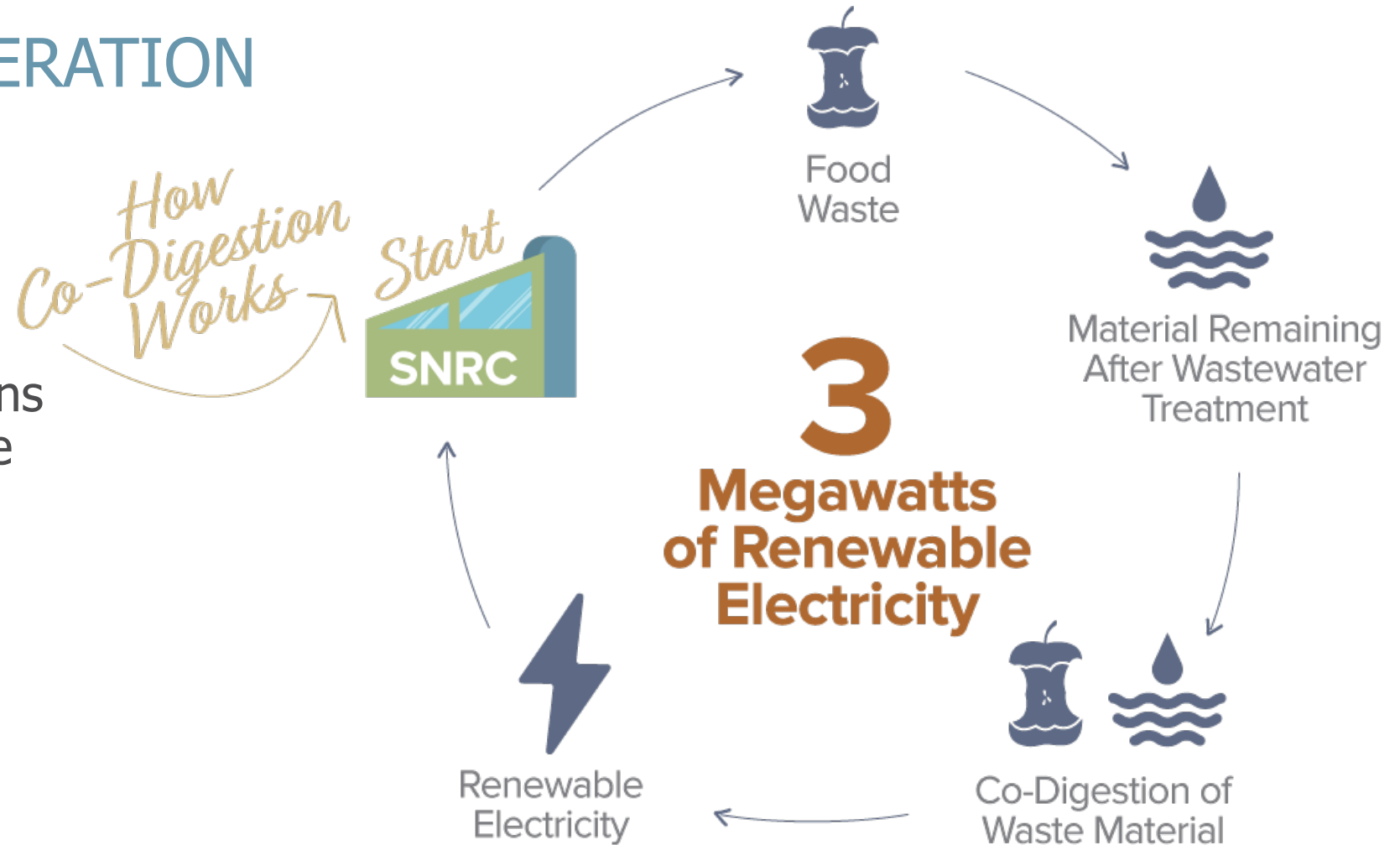
DROUGHT-PROOF WATER SUPPLY

- Initially, 8 MGD for groundwater replenishment
 - *Potential for direct potable reuse in the future*
- Reduced dependency on imported water supplies
- Consistent drought proof use year-round
- Regional benefits beyond agency boundaries
 - *Over 650,000 people*



SNRC ENERGY GENERATION

- State-of-the-art co-digestion technology gives food waste a new purpose
- Transforms 130,000 gallons of imported organic waste streams/day into 3 megawatts of renewable power for the facility



ORGANIC WASTE DIVERSION

- Diverts organics from landfill
- Reduces miles traveled for disposal
- Maximizes energy generation while minimizing waste
- Enhanced return on investment of capital expenses
- Digested biosolids converted to compost



COMMUNITY SPACE

- Community event space
- Walking paths
 - *Sidewalks*
 - *Decomposed granite paths*
- Water efficient landscaping
- Demonstration ponds
- Green space
- Outdoor community programming
- Community partnerships



PATHWAY PROGRAM

- Established in 2020 to introduce students to careers within the water and wastewater industry
 - *Training Local Students in the Unique Skillset of Wastewater Treatment*
- Provide courses taught by industry experts at no cost to high school students
- Program is designed prepare students for State Certification exams to become certified operators
- 20 students completed internships



EVERY SOURCE IS A RESOURCE



SNRC FUNDING



State Grants

These funds help offset the existing customer's portion of project costs.

+



Development Fees

Future developers will be responsible for their portion of the project costs proportionate to their impact on the wastewater system.

+



Loans

The California State Water Resources Control Board approved low-interest loans for the SNRC.

+



Wastewater Charges

It is anticipated that wastewater fees will remain the same with the new facility and customers will have savings over time compared to projected wastewater costs.



TEAM STERLING



Balfour Beatty



STAY IN TOUCH: PRESENTER INFORMATION

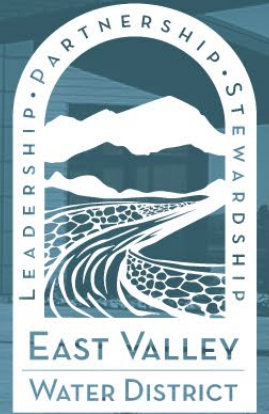


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DISCUSSION



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