

Zero Waste Events:

April 12th 10:00 PT

Tribal Perspectives

La Jolla, Pala, Los Coyotes & Santa Ynez Chumash

Our Speakers Today



Julio Carrillo III



Antonio Lovato



Andrew Pittman



Bill Nelson

What is Zero Waste?





↓ LESS
Resource Extraction



CLEAN PRODUCTION



RESOURCE RECOVERY INFRASTRUCTURE



REUSE AND REPAIR



LITTLE to NO
Resource Disposal





Est. 1859

Located in south-central Arizona the indigenous people, the Akimel O'odham (Pima), are known for their agricultural skills and the Pee Posh (Maricopa) are known for their red clay pottery.



Gila River Indian Community



Julio Carrillo III



Young dancer at the 2013 Inter-Pow-Wow at Live Oak Campground

Zero Waste: A Tribal Perspective



Presented By: Julio Carrillo III
Environmental Specialist
Santa Ynez Chumash Environmental Office

What is Zero Waste?

Zero Waste has a few definitions, but the philosophy is the same – to reduce the waste that goes to landfills and incinerators to as little as possible (zero is the goal) and to redesign products, packaging and other items so that they can be reused or otherwise avoid the landfill. As much as 90% of hazardous and e-waste ends up in the landfill, causing major environmental harm to water supplies and surrounding land.



Examples of Posters and Social Media Outreach

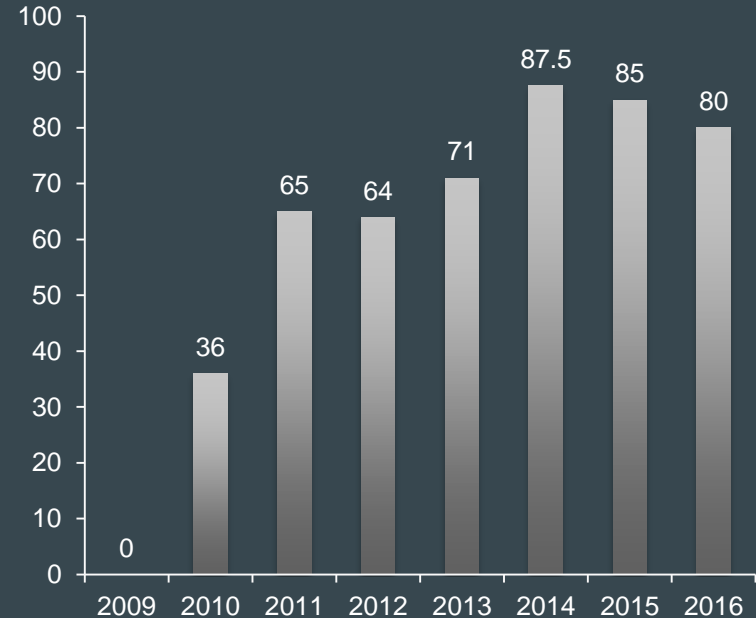


Pow Wow Zero Waste results



- **Pow Wow Zero Waste Initiatives:**
- **2009** – No waste services – 0%
- **2010** – Sorting provided by contractor, no vendor interaction, very little outreach – 36%
- **2011** – environmental department run service, environmental department booth at event – 65%
- **2012** – Spread the word about Zero Waste in fliers, environmental department booth at event, CRV collected – 64%
- **2013** – Zero Waste announcement in flier, mailings, vendor rewards for involvement, environmental department booth and signage, more stations – 71%
- **2014** – Introducing Styrofoam ban, awards for compliance, compostable alternative brochure, partnership with WM – 87.5%
- **2015** – Official Styrofoam ban for vendors, Waste Management partnership continues, increase educational posters at event, watering stations – 85%
- **2016** – Composting food scraps, final day diversion moved to reservation, e-waste collection point introduced, watering stations, continued camper education – 80%

Pow Wow Diversion Percentage





Tribal Youth And Volunteers

Pow Wow food waste composted on Camp 4

- **Composting Initiatives:**
- Composting off site for the first time in 2016
- **900** pounds of food waste and compostable material
- Assistance from Camp 4 Ranch manager
- Complete success



Nonpoint source pollution projects

Bioswales, trash pick up, dog waste stations



Please pick up litter and pet waste



Funding

- Tribal
- Grants
- Donations
- Chumash Foundation
- Non profits
- Volunteers



Spin off Programs Rez Cleanup



Lessons Learned

- Never give up, never surrender
- Plan twice execute once
- Planning doesn't always go as planned
- Last month our Zero waste event failed
- Solvang cycling event 5,000 attendees





InterTribal Event 2017





Thank you!!

Julio Carrillo III

Environmental Specialist

Santa Ynez Chumash Environmental Office

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**INTERTRIBAL
EARTH DAY**

Watering Our Roots

Bill Nelson



YoUtopia Event @ La Jolla Camp Grounds

Had been conducted since 2008

- 4000 people - 3 day event
- They use 40 yarder bins – compostable, recyclable, cardboard and land fill
- Leave No Trace : LNT oversees a diverse set of techniques to make sure we leave the site cleaner than we found it. This includes promoting public awareness, managing public recycling, major cleaning pre-event, moop sweeping post event, and assisting with the moop map
- They utilize La Jolla Transfer Station for their recycling efforts

Inter-tribal Earth Day

Pre-event planning: education, outreach, goal development

- Second ZW event
- Volunteers (3 from Santa Ynez, 4 La Jolla Tribal youth, 5 non-tribal members) guided participants to use the correct bin for the Composting and Recycling, and wastes going to Landfills
- Compostable Forks, Plates, Napkins, and liners are purchased
- Worked and planned with Pauma Solidarity Farms for taking all the compostable materials (133 pounds – 27% of the total waste)
- Goal: At least 85% of the waste should be composted/recycled – but were able to get only



Inter-tribal Earth Day

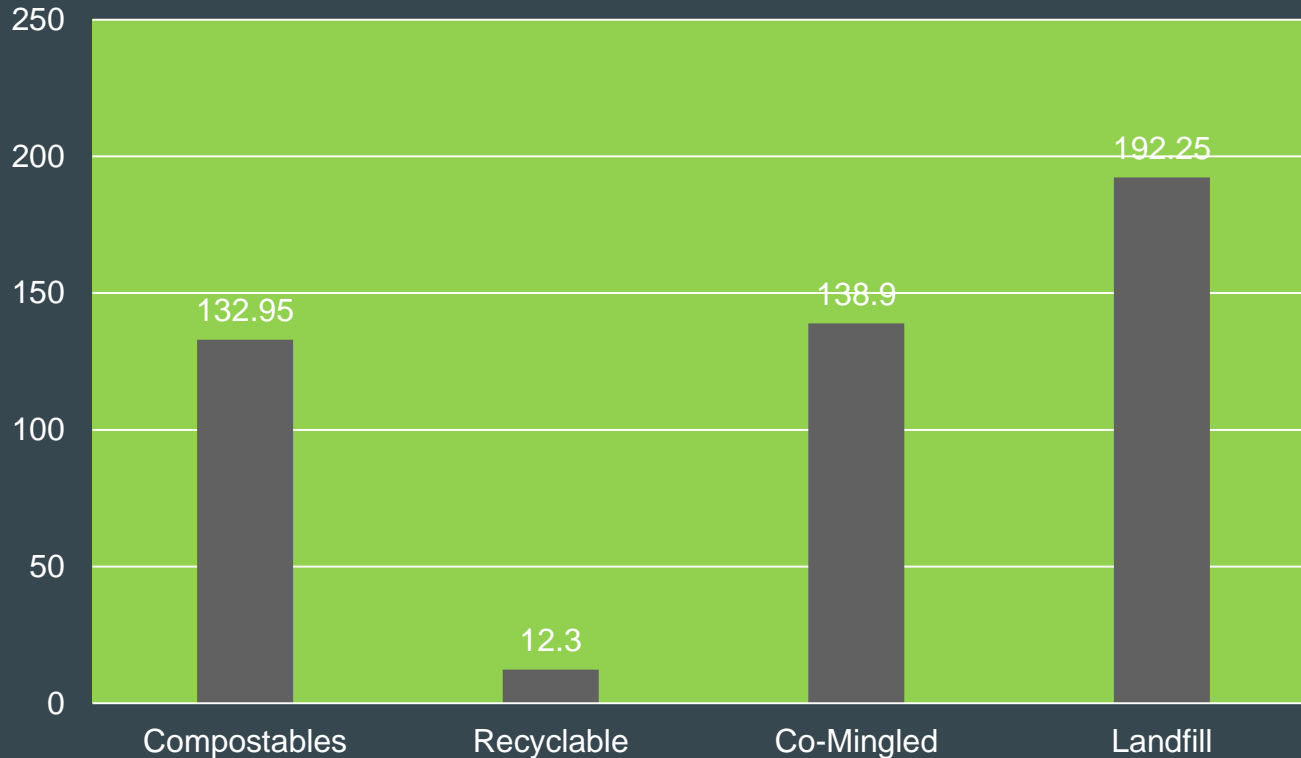
Partnerships: vendors, volunteers, waste haulers

- 47 vendors were emailed before hand about the ZW event and requested not to bring or give the participants any thing that is not compostable/recyclable
- Removed plastic wrappers from LJEPO promotional items like key chains and water bottles beforehand
- Volunteers – Challenge – Last year 2016 Intertribal Earth day (4 Tribal youth) – this year we got a total of 12 volunteers
- Waste Haulers – Waste Management and camp ground provided the bins for the event.



Inter-tribal Earth Day

Inter Tribal Earth Day 2017 Solid Waste Characterization (all numbers in lbs)



Due to technical issues Antonio wasn't able to make the webinar. To contact Antonio directly use the information below:

Antonio Lovato
Environmental Technician
Pala Band of Mission Indians
alovato@palatribe.com

Antonio Lovato

PALA BAND OF



MISSION INDIANS



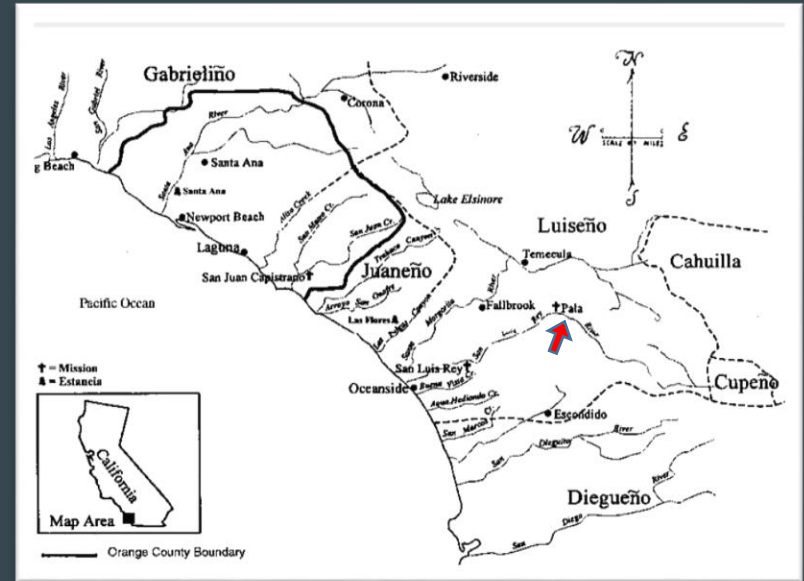
Members of the 5th Pala Band of Mission Indian's Pow Wow



The Pala Reservation



- Located in the northern portion of San Diego County in Southern California
- Compresses of over 4,000 acres of forest; 8 acres of Lakes; 6 acres of wetlands and approximately 40 miles of streams totally over 13,000 acres of land
- Over 1,000 tribal members of both Kuupangaxwichem or Cupeño and Luiseño tribes
- Home to approximately 1,350 people



Pala Reservation Historically



- The “Old Pala” reservation was established in 1875.
- The reservation was originally occupied by the Luiseño people.
- In 1903 the new village of Pala was created for the Cupeño and Diegueño people who were relocated from Cupa.
- The “New Pala” mirrored the village pattern of Cupa.
- The US government supplied tents and tiny houses for the new residents.

Pala Reservation Presently



- Approximately 800 homes and commercial buildings
- Newly constructed homes all have PV solar installed
- Pala's main energy users:
 - Pala Casino Resort & Spa
 - Pala Administration Complex
 - Pala Transfer Station
 - Pala Fire Station
 - Pala Fitness Center



Pala Transfer Station



- Constructed in 2008
- CRV Certified Recycling Location
- Hazardous Waste Collection Location
- Shred green waste into sellable mulch
- Sell wood pellets
- Waste Tire Collection Location
- Electronic Waste Collection Location
- Compact Bailer





PLEASE RECYCLE
HERE

RECYCLE HERE

Recycling
bottles, paper
and cans

WM
WASTE MANAGEMENT



Zero Waste Event

Compost
All food waste
Plates Forks
Knives Napkins



Zero Waste Event

Landfill
Chip Bags
Candy Wrappers
Styrofoam



this is a

ZERO WASTE EVENT



All items at this event are recyclable or compostable. Please take your plates, utensils, and recyclables to the Zero Waste Station for proper disposal.







Andrew Pittman



www.ankvideo.com



Los Coyotes 6th Annual Earth Day
PRISTINE EARTH
"Recycling for Our Future"

May 14th 2016
11am - 4pm

Los Coyotes Indian Reservation
CAMPGROUND
2300 Camino San Ignacio
Warner Springs, CA 92086

A FREE family event open to the public

RAFFLE PRIZES

LUNCH PROVIDED

NO DRUGS OR ALCOHOL

A ZERO WASTE EVENT



For more info on the event, sponsorships, donations or booth please call 760-782-0712 or email loscoyotestribe@gmail.com



Advertising

- Make sure your flyer notifies people ahead of time
- Notify your booth participants to mind the amount of paper hand outs they plan on bringing

PRISTINE EARTH

2017

"Sustaining Our Forests"

A free family event open to the public
May 20th - May 21st

Los Coyotes Indian Reservation
CAMPGROUNDS

NO DRUGS
NO ALCOHOL

A ZERO
WASTE EVENT



May 20th **Day 1 Part 1**

11 a.m. Blessing
12 p.m. Lunch Served
1 p.m. Scavenger Hunt
2 p.m. Science Show
3 p.m. Raffle
4 p.m. Pack Up

May 20th **Day 1 Part 2**

5 p.m. Camp Setup
6 p.m. Dinner Served
7 p.m. Free Time
8 p.m. Storytelling
9 p.m. Astronomy Lesson
10 p.m. Lights Out

May 21st **Day 2 Part 3**

6 a.m. Blessing
7 a.m. Light Breakfast
8 a.m. Forest Hike
11 a.m. Pack Up

Turn onto Camino San. Ignacio from HWY 79, Continue on Camino San. Ignacio for 4 mi.
Check in with Tribal Guard, Continue on Camino San. Ignacio for 3 mi.



for more info. about the event, donations, or booths please call 760-782-0712 or e-mail apittman@loscoyotestribe.com

Volunteers

- Get volunteers to monitor your waste sorting area(s)
- Make sure your volunteers understand the importance of their tasks
- Provide tools for cleanliness (gloves, trash bags, trash grabbers)
- Reward volunteers for working at the waste stations- it can be a dirty job!

Production

- Invest in Compostable plates/cutlery
- Invest in several sorting bins
- Invest in reusable water bottles
- Ask your vendors to provide an emailing list instead of handing out paper flyers

Incorporate an activity
for education...



These youth are picking up paper,
plastic and aluminum materials.
The youth then separate materials
into sorting bins



After event

We separated the material by plastic, paper, aluminum, compostable food scraps and other items. We weighed each bag and tallied up our material. There was about 92 pounds of material that was collected. 12 pounds of this will be sent to the landfill and the rest was diverted and will be sent to the next recycling center or composted.

Structure

Depending on the size of your event you may have sorting bins spread-out or you may choose to have one area devoted to your collection. Los Coyotes had one zero waste area with 2 volunteers. The volunteers would take the materials from guests and sort them. This insured a proper sort of recyclable or compostable materials.

Future Plans/Ideas

- Utilizing pigs to divert food waste
- Renting/Purchasing dishware/silverware
- QR Codes on flyer for info about Zero Waste Events

Santa Ynez Chumash Zero Waste Video



<https://www.youtube.com/watch?v=Clfq76Q5C5E>

Q & A



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**THANK
YOU!**

