

Creating an Economically Sustainable Program



**Developing & Implementing a Tribal
Recycling Program**


January 24-26, 2017

Palm Springs, CA

“Our Indigenous knowledge teaches us respect for the sacredness of Mother Earth, Father Sky, and the Circle of Life. The traditional knowledge teaches us to be thoughtful of whatever decisions we make that will have impact on our future generation.”

~Indigenous Environmental Network





Building Capacity: Where do I Start?

- Research to identify baseline needs for your program & community.
 - Conduct surveys, questionnaires, interviews, or engage in a simple discussion.
- Learn and understand what grants your department had in the past and what grants are currently managed.
 - What tasks/objectives have been successful
 - How can you continue building capacity with current grant tasks/objectives
- What activities under your past/current grant funding have been implemented?
 - Solid Waste and waste reduction
 - Integrated Solid Waste Management Plan
 - Codes and ordinances



Funding Your Program: Grants

- What types of grants are available?
 - Federal
 - U.S. Environmental Protection Agency (EPA) General Assistance Program (GAP) Grant
 - U.S. Environmental Protection Agency (EPA) Hazardous Waste Grant
 - USDA Rural Development Solid Waste Management Grant
 - State
 - NM Recycling and Illegal Dumping (RAID) Grant – check what may be available from your state
 - Other types of funding available



U.S. EPA GAP Grant

- Build environmental capacity for your Tribe
- Assists in the development and implementation of solid waste management programs in Indian Country
- GAP Guidance and program indicators
- EPA-Tribal Environmental Plan (ETEP) include your solid waste/waste diversion programs
- Talk with US EPA Project Officer
- Network with other Tribes/Inter Tribal Consortia's

Applying for GAP



- Read grant application thoroughly...sometimes there are changes
- Utilize language from the GAP guidance in your work plan and budget justifications
- Review past grant related objective...
 - Have you conducted a waste stream characterization?
 - Has your Tribe been building recycling capabilities?
 - Outreach and education related to solid waste/recycling



Santo Domingo Begins Building Environmental Capacity thru GAP

- The Santo Domingo Tribe began receiving GAP Grant monies since 2000 to build environmental capacity in the setting of a Natural Resources Department.
- Throughout the years...work plan components/commitments were focused on emergency response, environmental representation, solid waste/pollution prevention, air quality, water quality, education and outreach, and so on.
- Previous solid waste priorities according to work plan activities FYs 2000-2014:
 - Improve Compliance with Integrated Waste Management Plan
 - Illegal Dump Clean-ups and Prevention
 - Develop Hazardous Waste Collection and Disposal Program for SDT
 - Draft/Develop ISWMP
 - Continued Clean-up of Illegal Dumpsites
 - Development of a recycling plan/program

Example Work Plan Language for Solid Waste Capacity Building



Component #1: Recycling Hazardous Waste and Solid Waste

Work Plan Component 3: Pollution Prevention (solid waste/recycling)						
Des	Descript					
Compo	2.2	Work with the Tribal Utility Authority (TUA) to provide technical assistance and support in developing a sustainable solid and hazardous waste management program and implement waste diversion techniques. Assist with the development and dissemination of outreach materials providing information on proper solid waste management, waste diversion methods (reduce, reuse, recycle), and prevention of improper disposal (illegal dumpsites).	Administrative Technical	\$3,102	12/31/2016 03/31/2017 06/30/2017 09/30/2017	Copies of education and outreach materials, sign-in sheets, agendas, and photos.
Loc	Descript					
Me	Long-Te					
Int	Measure					
Est	Interme					
	Inter	<ul style="list-style-type: none"> • w/STARS database • Open Dump Inventory • Decrease in the amount of illegal dumpsite found on Santo Domingo Tribal lands 				
		Educate the public about illegal dumping.				

Solid Waste Photos





Santo Domingo's Pollution Prevention through Waste Diversion

- Solid Waste Study included data on recyclable and compostable materials.
- As solid waste capacity increased, grant related work plans began to include planning and development of a recycling program.
- At the end of FY 2014, a 4-compartment recycling trailer, recycling desk bins and bin stations were purchased using GAP funding
- Recycling Facilities Available: Bio-PAPPEL, Master Fibers, Friedman's, Capital Scrap, Buckman Road Recycling and Transfer Center.
- Drop-off Recycling began available to residents in FY 2015.

Recycling Efforts in the Pueblo

- A new refuse truck was purchased in FY 2015
- Old refuse truck (side-arm loader) cleaned out and is being used for our recycling truck.
- Recycling “TEST DRIVE” project - bin stations in the SDT departments/programs.
- Reuse Area located in the Transfer Station.
- Education and Outreach to the Santo Domingo Pueblo Community.



Recycling Language and Purchases Under GAP



Commitment #2.2

Description

Commitment #1.2

Work Plan Component 5: Santo Domingo Recycling Program "TEST DRIVE"

5.4	<p>Provide information to the community on proper waste diversion methods and techniques by utilizing:</p> <ul style="list-style-type: none"> • Reduce • Reuse • Recycle • Respect <p>Promote the use of the recycling program, including recycling bins and trailer. Work with NMRC to develop a "hub and spoke" program to provide proper</p>	<p>Technical, Communication and Solid/Hazardous Waste Implementation</p>	\$8,236	<p>12/31/2016</p> <p>03/31/2017</p> <p>06/30/2017</p> <p>09/30/2017</p>	<p>Copy of information created for dissemination, sign-in sheets, agenda, and evaluation forms.</p>
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INTERMEDIATE OUTCOME – VOLUME OF RECYCLABLES TAKEN OUT OF THE WASTE STREAM.

ESTIMATED COMPONENT COST: \$19,059

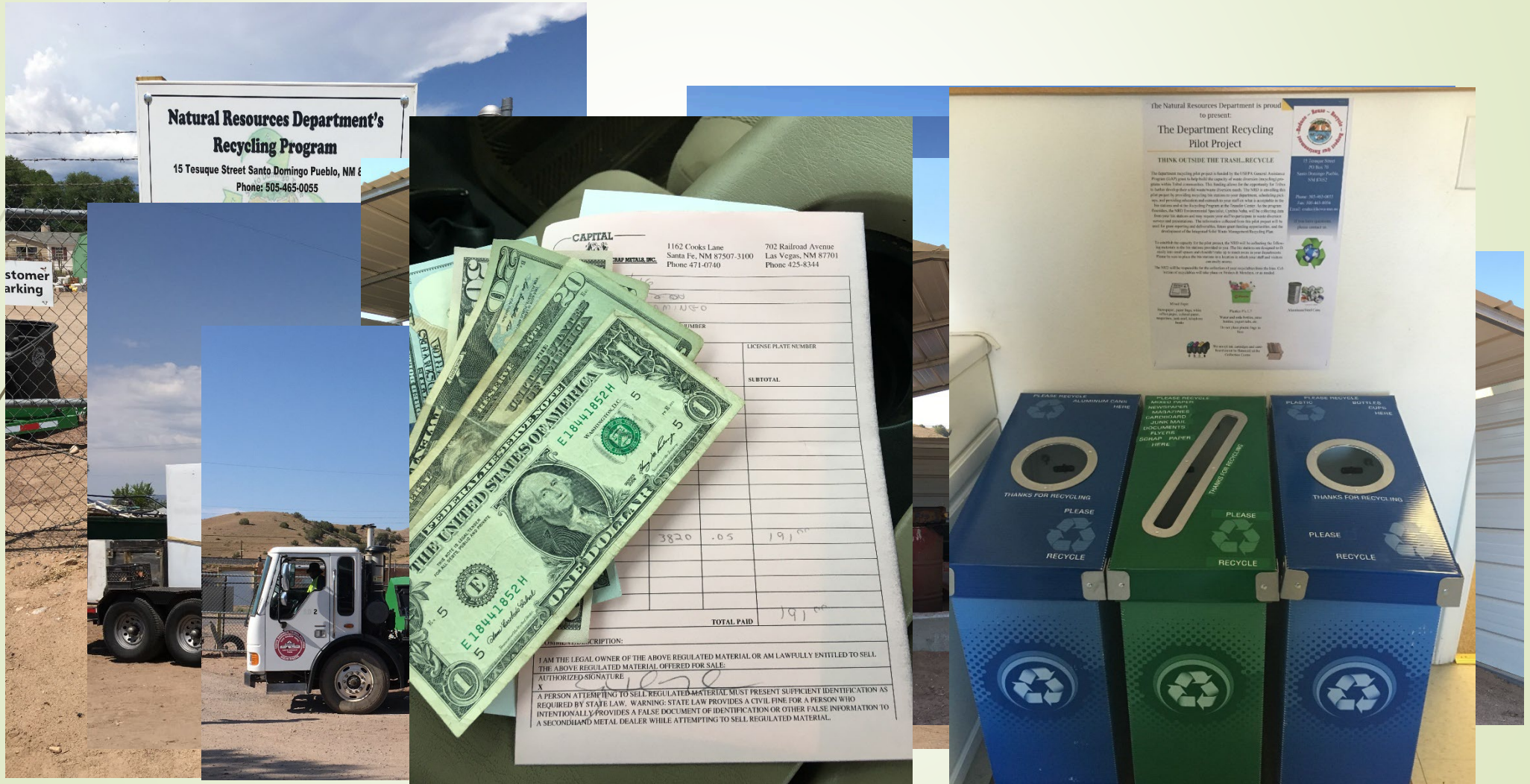
ESTIMATED COMPONENT WORK YEARS

Recycling Success and Challenges For Santo Domingo Pueblo

- Community members WANT to recycle
- Markets in New Mexico exist
- Partnerships have been hit
- Community support and buy-in
- Continue to do research on markets & building our program
- Increasing capacity 1 day at a time
- Not everyone is recycling...develop more effective outreach
- Lack of outreach & education
- Maintaining partnerships
- 100% community support and buy-in
- Increase recycling rate in SDT by 2020

I Really  You to Recycle 

Recycling Photos



USEPA Hazardous Waste Management Grant



- Solicits proposals from federally - recognized tribes or intertribal consortia for the development and implementation of hazardous waste programs and or building capacity to address hazardous waste management in Indian country.
- In an effort to maximize the benefits to tribes from the limited funding to support the Hazardous Waste Management Grant Program for Tribes, the EPA has reassessed the criteria used to evaluate proposals submitted for funding through this grant program beginning in FY 2015.
 - The goal of this effort is to provide technical assistance to a greater number of tribes for activities that involve hazardous waste management on tribal lands.
- Examples of Activities
 - Implement used oil collection and other programs to reduce the improper management of hazardous waste in the community. Used oil collection programs must be in accordance with 40 Code of Federal Regulations (CFR) 279.
 - Implement household hazardous waste collection events and/or programs that provide sustainable or long-term solutions for disposal of household hazardous waste for the community.
 - Implement Universal waste collection events and/or programs that provide sustainable or long-term solutions for disposal of Universal waste for the community. Universal waste programs must be in accordance with 40 CFR 273.



Committed to the future of rural communities.

USDA Solid Waste Management Grant

- This program helps reduce or eliminate pollution of water resources through funding for organizations that provide technical assistance or training to improve the planning and management of solid waste sites.

- **Who may apply?**

- Most state and local governmental entities
- Non-profits
- Federally Recognized Tribes
- Academic Institutions

- **All applicants must:**

- Have proven ability, background or experience to or have successfully completed a project similar to the one proposed
- Have legal authority and capacity to provide technical assistance or training.

- **What is an eligible area?**

- Rural areas and towns with 10,000 or fewer people--check eligible addresses
- Special consideration may be given for projects serving: an area with fewer than 5,500 or fewer than 2,500 people; regional, multi-state or national areas; or lower-income populations.

- **What may the funds be used for?**

- Evaluate current landfill conditions to identify threats to water resources
- Provide technical assistance or training to enhance the operation and maintenance of active landfills
- Provide technical assistance or training to help communities reduce the amount of solid waste coming into a landfill
- Provide technical assistance or training to prepare for closure and future use of a landfill site

State Funding

- Research what opportunities may be available from your state
- Not every state is the same
- Take opportunity of what's available
- Talk with the various programs that may be of assistance to you
- Develop a partnership.





New Mexico Recycling & Illegal Dumping Grant

- Purpose: The purpose of the NM RAID Grant is to protect the health and welfare of current and future residents of New Mexico by promoting environmentally sound methods for reuse and recycling
- Funding can be up to \$1,000,000 available annually to:
- Offset the cost of scrap tire collection and recycling
- Establishing recycling facilities
- Purchasing equipment for recycling and scrap tire management
- Purchasing products produced by a recycling facility
- Providing education outreach regarding scrap tire management, recycling, and illegal dumping
- Developing recycling infrastructure
- Abating illegal dumpsites
- Contracting with vendors to promote recycling



NM RAID...continued

➤ Eligibility:

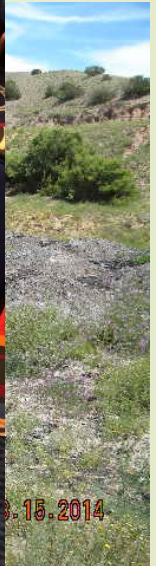
- Municipalities
- Counties
- Tribal Nations, Pueblos and Tribes
- Land Grant Communities
- Cooperative Associations (as defined in the Recycling & Illegal Dumping Act)
- Solid Waste Authorities

*Ineligible entities are encouraged to partner with eligible entities. The applicant must be able to complete the project within one year.

*Matching and in-kind contributions are not required but are encourage

- Santo Domingo's NM RAID Grant – aimed at building a partnership with Santo Domingo, San Felipe and Cochiti Pueblos
 - Develop a 5-point plan to strategize effectively to curb illegal dumping in our Pueblos.
 - Purchase the necessary equipment & supplies to abate 6 illegal dumpsites – 2 per Pueblo
 - Develop outreach & education campaign as an innovative strategy to change cultural mindset
 - Develop surveillance & monitor dumpsite to deter occurrence

NM RAID Grant Photos



Other NM RAID Tribal Efforts from 2007-2015



- Eight Northern Indian Pueblo Council Office of Environmental Technical Assistance – total of 3 NM RAID Grants: Household Hazardous Waste Collection Program, purchase of 2 recycling trailers to share among Pueblos at specials events, and a refrigerant recovery project
- Nambe Pueblo – 1 NM RAID Grant: purchase a recycling trailer
- Pueblo of Isleta – 2 NM RAID Grants: purchase of curbside recycling carts and 2 recycling trailers
- Pueblo of Picuris – 1 NM RAID Grant: establish a recycling drop-off site
- Pueblo of Santa Ana – 1 NM RAID Grant: developing a resources and recovery park at the solid waste transfer station
- Pueblo of Zuni – 1 NM RAID Grant: purchase of recycling roll-off containers

Establishing Partnerships

- How will a partnership assist your program goals and needs?
- What resources can you provide?
 - Leveraged resources – how are you asking your partners to be involved?
- What projects can you collaborate on
- Identifying partners:
 - community members
 - neighboring Tribes
 - Non-profit organizations
- Work collaboratively to address challenges
- Share the success, even if its not a success
- Be an optimist and realist



Other Partnerships & Working Relationships



- Participation in the Inter Tribal Resources Advisory Committee (IRAC) and the Tribal Youth Environmental Summer Camp as hosted by ENIPC OETA.
- 2015 – New Mexico Recycling & Illegal Dumping Grant – “Strategizing to Curb Illegal Dumping In Our Pueblo Communities.”
- Tribal Government Seat held for the New Mexico Recycling and Illegal Dumping Alliance – 2 year term starting November 2015; ending October 2017-
- Peer Mentoring Program – Mentee: visited by Michael Northbird of the Minnesota Chippewa Tribe to assist with recycling program efforts. Mentor: visited the Walker River Paiute Tribe, Schurz, NV.
- Tribal Waste and Response Steering Committee – 2 year term beginning November 2016 – 2018.
- Hub & Spoke discussion with neighboring Tribes – San Felipe and Pueblo de Cochiti.

Solid Waste/Recycling = Job Security

- Current Efforts
 - GAP FY 2015– draft EPA-Tribal Environmental Plan (ETEP) aims to develop an Environmental Protection Program for SDT in which building solid waste and recycling capacities is a priority for the first 5 years.
- Successes
 - Continued GAP funding
 - PARTICIPATION FROM RESIDENTS!!
 - Partnerships
- Challenges
 - Putting the pieces of the puzzle together
 - Increasing participation and buy-in from majority of residents
 - Illegal Dumping
 - Lack of education and outreach



**JUST BECAUSE
YOU'RE TRASH
DOESN'T MEAN
YOU CAN'T DO
GREAT THINGS.**

**IT IS CALLED
GARBAGE CAN,
NOT GARBAGE
CANNOT.**



Cynthia Naha
Environmental Specialist/Interim Natural Resources Director
Santo Domingo Tribe

Recycling Education/Outreach & Illegal Dumping

Recycling Training for Tribes

May 17, 2016 @ Pojoaque Pueblo

May 19, 2016 @ Santo Domingo Tribe



to key information...

-
- “POP QUIZ” at the end of the presentation?!?!?!?
 - What's the difference between “education” & “outreach”
 - Education: refers to efforts involving the formal education system: curriculum development, professional development of teachers, or support for systematic reform efforts
 - Outreach: refers to efforts intended to excite wider public interest

Quotes can deliver a powerful message

“We are a part of everything that is beneath us, above us, and around us. Our past is our present, our present is our future, and our future is seven generations past and present.”

Traditional Haudenosaunee Teaching



- Opportunity to provide information to people
- To increase awareness, knowledge and understanding of environment issues
- To promote environmental initiatives, projects and programs
- To instill environmental protection measures
- To enable community members to make decisions and actions that create and maintain an optimal relationship between themselves and the environment, and to preserve and protect unique natural resources of our Tribal lands



Why Recycling Conduct Outreach?

- To **CONNECT** your community to the environment and the need for protecting
- To **BUILD RELATIONSHIPS** that garner support and actively engage the stakeholders
- To take **RESPONSIBLE ACTION** to prevent pollution and conserve our natural resources
- To **COMMUNICATE** with NRD/Environmental Staff about their environmental concerns
- To **ESTABLISH** baseline data to build environmental programmatic capacity

The Need to Conduct Recycling Education & Outreach



- Is recycling/waste diversion needed in your community? If so, here are some possible steps to consider when identifying the need?
 - What are the solid waste issues/problems?
 - What are your available resources and tools?
- Who is contributing to increased trash, illegal dumps, etc.?
 - On another note...who is participating in your programs?
- What are the barriers?
- Who are your partners
- What are the solutions?
- What do you expect to change?

Components of a Recycling Education & Outreach Program

1. Tailored to your Community
2. Targeted & Focused
3. Consistent & On-going
4. Innovative
5. Leadership/Community Involvement
6. Partnerships
7. SUCCESS



Tailored to your Community

- Culturally appropriate & specific
 - Who is your Community?



Pueblo de Cochiti

Picuris Pueblo



Taos Pueblo

Zuni Pueblo

Things to Consider



- Your audience
 - Youth
 - Mid-generation
 - Elderly
- Are multi-languages need?
 - How to best get your message across
- Objective/Goal
 - Specific
 - Measurable
 - Achievable
 - Realistic
 - Time-sensitive
 - ...and don't forget to
- Delivery of information:
 - Newsletters
 - PSAs
 - Radio
 - Billboards
 - ...what delivery methods have you done?



Consistent & Outgoing

- Identify short & long-term goals/objectives/plans...re-visit often
- Multiple messages – repeat...repeat...repeat
- Understand behavior change and know that this may take time...not an “overnight type of thing.”

Ak-Chin Indian Community –
“Earthy Enos”





Innovative

- Be Creative
- Think outside the box and what will get people
 - ...Involved
 - ...Excited
 - ...Active
 - ...A promoter/supporter of the program/projects





Leadership/Community Involvement

- Support – Involvement from leadership is needed to establish, implement, and encourage buy-in
- Buy-in – Participation is needed from the community to be successful

Get kids involved

**Booths at
Community fairs**

School presentations & activities
Community
survey/questionnaire
Council
meetings/presentations
Community
events

Together
Everyone
Achieves
More

Meand



Partnerships

- Why

- Effective in developing your recycling program
- Work in collaboration to identify solutions to problems
- Build capacity for your projects and programs

- Who

- Neighboring & Other Tribal Environmental/Natural Resources Departments
- Federal, state, & local governments
- Non-profit organizations, Inter-tribal consortia, private foundations
- ...and others



What are Your Next Steps...

Outreach, kids, recycling,
solutions,
partnerships...and
what?!?!?!?

