



Team Green

Ernie Rodarte
September 20, 2023



**TEAM
GREEN**



Established in 2004

- Rolled out to all facilities in 2007

Facility based and volunteer lead

Promote resource efficiency at all facilities

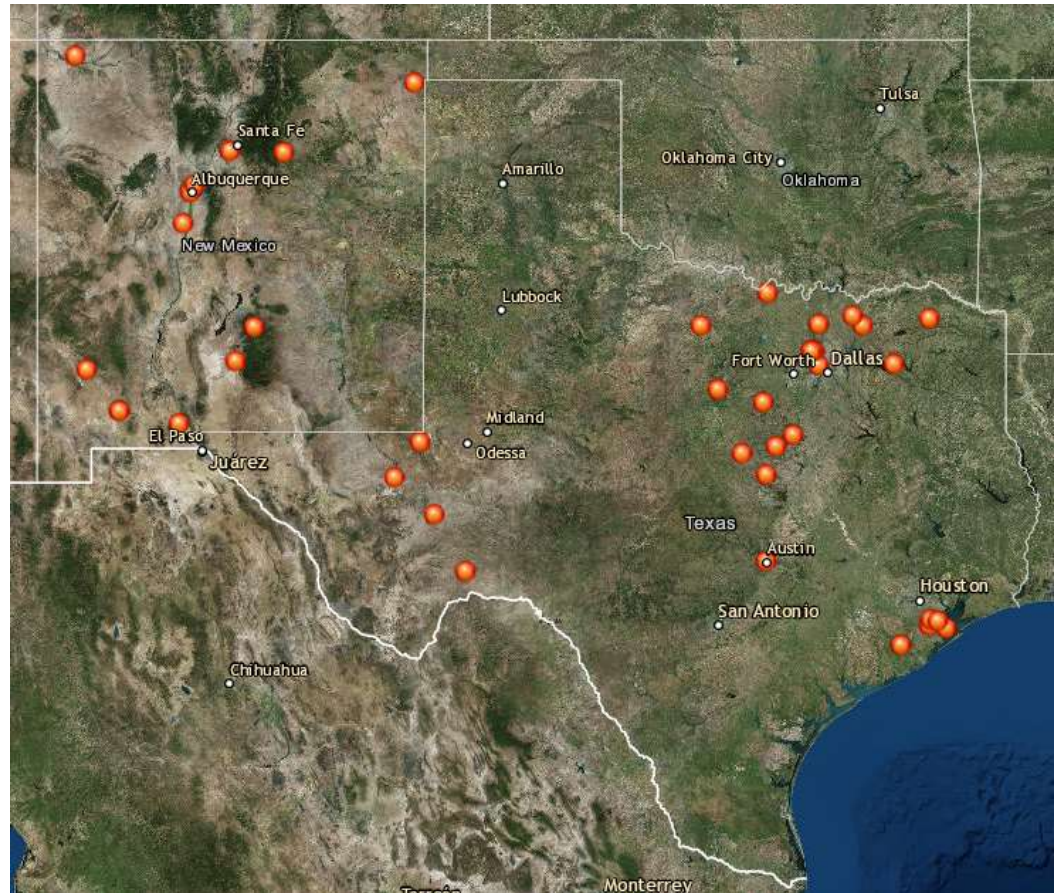
- Resource efficiency: “the efficient use of the resources used by our organization through reducing use, reusing when at all possible, and recycling if we must use it and can’t reuse it”

Goals of Team Green and Resource Efficiency Program:

- Identify and reduce waste streams
- Energy efficiency (future opportunity)
- Water conservation (future opportunity)

Team Green

- More than 30 facilities participate throughout NM and TX
 - Service/construction centers
 - Generation facilities
 - Offices
 - 77 - Members
 - 5 - Contractors





Thanks for Celebrating
Earth Month with
Team Green and WellPowered!



Summary Links

[Team Green Database](#)
[Team Green Activities](#)
[Team Green Members](#)
[TeamGreen Facility Report](#)
[Team Green Resources](#)
[Waste Goal Reports](#)
[Environmental Services](#)
[Support Team Green](#)
[Newsletters](#)

News

+ new discussion

Recent My discussions Unanswered questions ...

August Newsletter 2023

Do you have any questions about battery recycling? Post them here and we'll reach out t...



Earth Month Celebration

April 2023

Happy Earth Month from Team Green and Vitality!

Help the environment and improve your health this month by playing Sustainability Bingo! Team Green and Vitality have put together this fun activity to celebrate Earth Month to help you try some new sustainable activities at home.

SUSTAINABILITY					
	B	I	N	G	O
1	Learn and Grow: Learn About Rain Gardens	Engage with Nature: Plant Something in Your Yard or in a Pot	Conserve Water: Take 5 Minute Showers for a Week	Recycle: Participate in PNM's Recycling Program for Site Locations	Reduce Your Footprint: Prepare a Plant Based Meal
2	Conserve Water: Use a Rain Barrel or Collect Rainwater in Buckets for Your Plants	Recycle: Start Composting in Your Yard	Reduce Your Footprint: Ride Share or Bike to Work	Engage with Nature: Walk, Bike, Hike, or Sit in Nature for an Hour	Learn and Grow: Watch a TED Talk On Protecting the Planet LINK
3	Engage with Nature: Make a Natural Art Project with a Friend or Family Member EXAMPLES	Learn and Grow: Learn About an Electric Car You Might Want to Purchase in the Future	Show Us What You're Doing to Go Green at Home	Reduce Your Footprint: Visit a Farmer's Market, Local Grower, Or Co-Op to Buy Your Food	Conserve Water: Plant a Drought Resistant Plant
4	Reduce Your Footprint: Clean up Trash Around Your Neighborhood	Conserve Water: Install a Microfiber Filter for Your Washing Machine	Engage with Nature: Spend an Afternoon Bird Watching	Learn and Grow: Watch the PBS Documentary, 'The Plastic Problem'	Recycle: Upcycle an item LINK
5	Recycle: Repair or Repurpose a Piece of Clothing EXAMPLES	Reduce Your Footprint: Make a Donation to a Thrift Store or Reuse Program	Learn and Grow: Subscribe to the Newsletter of an Environmental Nonprofit (NRDC, WWF, Environmental Defense Fund)	Conserve Water: Check the Toilets in Your Home for Leaks with Food Coloring HOW-TO	Engage with Nature: Take a Forest Bath (DEFINITION) and Meditate Outside

How to Earn 50 Vitality Points:

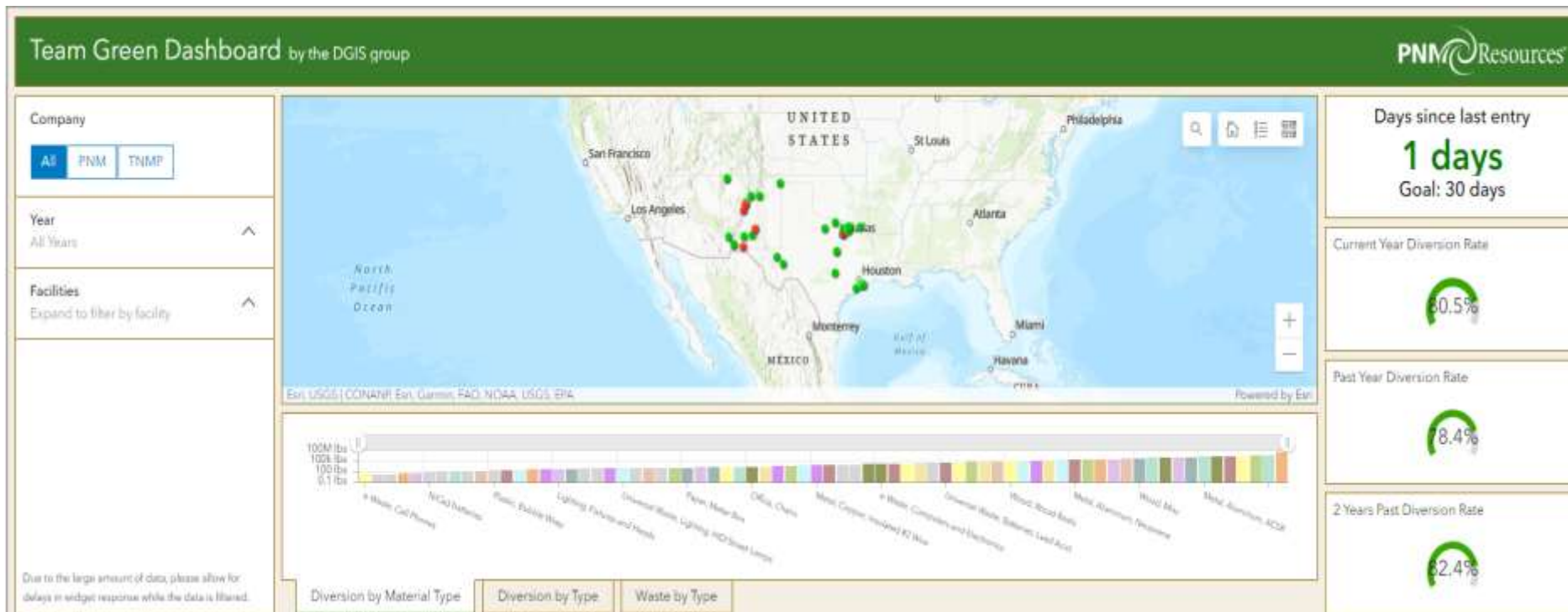
Follow the link from iConnect to download the Game and Info Guide. The Info Guide will provide you with further instructions for the bingo topics if you get stuck. Team Green Reps are also available to help!

Just like a typical Bingo game, you **5-in a d** to get **row to win Vitality points**. You can score Bingo vertically, horizontally, or diagonally. There are also 5 blank slots on the accompanying form for you to describe what you did or learned. Once you've completed 5-in a row and filled our your form, send the form to Mikaela Buscher to receive 50 Vitality Points!

Investment Recovery

- The IR program works in coordination with Environmental to make sure all recycling agreements, such as scrap metals and distribution transformers, follow Environmental regulations. Also these contractors are required and committed to provide itemized reports of the amount of metals and materials recycled which feeds the Team Green database. The program contributes directly to the diversion rates goals
- The Material Asset Recovery policy governs the material investment recovery procedures to assure consistent disposal of surplus, retired or obsolete assets.
- **Reoccurring Assets** -Company Assets that are considered reoccurring or ongoing (i.e. scrap wire distribution transformers, etc.) will be sold on a periodic contract.
- **Reoccurring Donations**-Donation of wood poles, pallets and wood reels are considered ongoing donations.

- Database allows for tracking waste and recycling (diversion) metrics.
- Web based tool to track pickups
 - Diversion- recycling, donation, and re-use diversion, and
 - Waste- Construction & demolition, construction, and office
- Waste metrics are entered by estimated container weights or measured weights
- Users can select from multiple diversion materials
 - More than 110 individual materials, summarized into 33 diversion classes for reporting



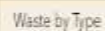
All	PNM	TNMP
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▼

2 Years Ago

▼

Alan



82.4%



Team Green Waste and Diversion Tracking

Dashboard
Waste Pickups
Diversion Pickups
Donation Recipients
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UserGuide

TABLE: Waste Pickups

Search

Waste type = Please Select

Container = Please Select

User = Please Select

Facility group = Please Select

Facility division = Please Select

You can only select one from Facility, Facility Group and Facility Division drop downs.

Search (*) [Show all](#) [Advanced Search](#)

☒ Exact phrase ☐ All words ☐ Any word

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Waste type	Pickup date	Container	Fill estimate	User	Weight (numeric)	Units						
Office	9/13/2023	Aztec 4yd, 4 cu. yd. front load	3/4 full	bwimber								
Office	9/13/2023	Texas City Gulf Coast 8yd, 8 cu. yd. front load	Full	ua2043								
Office	9/13/2023	Texas City Gulf Coast 8yd, 8 cu. yd. front load	Full	ua2043								
Office	9/13/2023	Texas City Gulf Coast 8yd, 8 cu. yd. front load	Full	ua2043								
C&D	9/11/2023	Deming Service Center 3yd, 3 cu. yd. front load	7/8 Full	JOFFUTT								
Office	9/8/2023	Texas City Gulf Coast 8yd, 8 cu. yd. front load	Full	ua2043								
Other	9/8/2023	Texas City Gulf Coast 8yd, 8 cu. yd. front load	Full	ua2043								
Other	9/8/2023	Texas City Gulf Coast 8yd, 8 cu. yd. front load	Full	ua2043								
Office	9/7/2023	Reeves 3yd, 3 cu. yd. front load	1/2 full	JQUINTA3								
Office	9/7/2023	Rio Bravo 6yd., 6 cu. yd. front load	Full	JQUINTA3								
Office	9/7/2023	La Luz 6yd., 6 cu. yd. front load	1/4 full	JQUINTA3								
Office	9/7/2023	Pecos Construction Center 2yd, 2 cu. yd. front load	Full	DHERNAN2								
Office	9/6/2023	Aztec 4yd, 4 cu. yd. front load	3/4 full	bwimber								
Office	9/6/2023	Texas City Gulf Coast 8yd, 8 cu. yd. front load	Full	ua2043								
Other	9/6/2023	Texas City Gulf Coast 3yd, 3 cu. yd. front load	Full	ua2043								
Office	9/5/2023	Lewisville Meter Shop 6yd, 6 cu. yd. front load	3/8 Full	UA1889								
Office	9/5/2023	Lewisville Regional Office 3yd, 3 cu. yd. front load	1/8 full	UA1889								
Office	9/5/2023	Lewisville Regional Office 6yd, 6 cu. yd. front load	1/4 full	UA1889								
Office	9/5/2023	Lewisville BSOC 6yd., 6 cu. yd. front load	1/8 full	UA1889								



Team Green Waste and Diversion Tracking

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Add to TABLE: Waste Pickups

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Waste type *	Office ▼
Pickup date *	9/14/2023 
Container *	Aztec 4yd, 4 cu. yd. front load ▼
Fill estimate	3/8 Full ▼
User *	ERODARTE ▼
Weight (numeric)	<input type="text"/>
Units	lbs ▼
Comments	<div><div></div></div>
Upload document	<input type="button" value="Choose File"/> No file chosen



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Search

Diversion type = Please Select

User = Please Select

Facility = Please Select

Facility group = Please Select

Facility division = Please Select

You can only select one from Facility, Facility Group and Facility Division drop downs.

Search (*) [Show all](#) [Advanced Search](#)

☒ Exact phrase ☐ All words ☐ Any word

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Diversion type	Diverted material type	Pickup date	Facility	User	Weight (numeric)	Units	Donation recipient	
Recycled	Paper, Cardboard	9/21/2023	Lewisville Regional Office, 577 N. Garden Ridge Blvd., Lewisville, TX 75067	UA1889	438.0000	lbs		
Recycled	Paper, Cardboard	9/14/2023	Silver City Construction Center, 3815 N. Swan Street, Silver City, NM 88061	smitche	100.0000	lbs		
Recycled	Universal Waste, Lighting, HID/Street Lamps	9/11/2023	Silver City Construction Center, 3815 N. Swan Street, Silver City, NM 88061	smitche	80.0000	lbs		
Recycled	Metal, Scrap Wire	9/11/2023	Silver City Construction Center, 3815 N. Swan Street, Silver City, NM 88061	smitche	2500.0000	lbs		
Recycled	Other Food Composing	9/8/2023	Lewisville Regional Office, 577 N. Garden Ridge Blvd., Lewisville, TX 75067	UA1889	9.0000	lbs		
Recycled	Paper, Cardboard	9/7/2023	Silver City Construction Center, 3815 N. Swan Street, Silver City, NM 88061	smitche	100.0000	lbs		
Recycled	Paper, Cardboard	9/7/2023	Lewisville Regional Office, 577 N. Garden Ridge Blvd., Lewisville, TX 75067	UA1889	438.0000	lbs		
Recycled	Paper, General Office	9/6/2023	League City (Dickinson) Facility, 1623 Gill Road, Dickinson, TX 77539	UA2006	100.0000	lbs	Iron Mountain	
Donated	Wood, Utility Poles	9/5/2023	Silver City Construction Center, 3815 N. Swan Street, Silver City, NM 88061	smitche	18000.0000	lbs		
Recycled	Paper, Cardboard	9/4/2023	HQ, 414 Silver SE Albuquerque NM	ERODARTE	16.8100	tons		
Donated	Wood, Utility Poles	9/1/2023	Silver City Construction Center, 3815 N. Swan Street, Silver City, NM 88061	smitche	1400.0000	lbs		
Recycled	Paper, General Office	9/1/2023	Lewisville: Construction Center, 1479 FM 407, Lewisville, TX 75077	UA1889	120.0000	lbs		
Recycled	Other Food Composing	9/1/2023	Lewisville Regional Office, 577 N. Garden Ridge Blvd., Lewisville, TX 75067	UA1889	9.0000	lbs		
Recycled	Other Food Composing	9/1/2023	Lewisville Regional Office, 577 N. Garden Ridge Blvd., Lewisville, TX 75067	UA1889	9.0000	lbs		
Recycled	Paper, General Office	9/1/2023	Lewisville Regional Office, 577 N. Garden Ridge Blvd., Lewisville, TX 75067	UA1889	750.0000	lbs		
Recycled	Paper, Cardboard	8/31/2023	Silver City Construction Center, 3815 N. Swan Street, Silver City, NM 88061	smitche	100.0000	lbs		
Recycled	Other, Mixed Recyclables	8/29/2023	Aztec Facility, 2401 Aztec Road NE, Albuquerque, NM 87107	HALVARE	25.0000	lbs	David Quintana	
Recycled	Paper, Cardboard	8/29/2023	Aztec Facility, 2401 Aztec Road NE, Albuquerque, NM 87107	HALVARE	300.0000	lbs	David Quintana	
Recycled	Paper, Cardboard	8/28/2023	Reeves Generating Station, 4400 Paseo del Norte, Albuquerque, NM 87113	JQUINTA3	540.0000	lbs		




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Diversion type *	<input type="text" value="Recycled"/>
Diverted material type *	<input type="text" value="Plastic, General"/>
Pickup date *	<input type="text" value="9/14/2023"/> 
User *	<input type="text" value="ERODARTE"/>
Facility *	<input type="text" value="Albuquerque Service Center, 4201 Edith Blvd NE, Albuquerque, NM 87107"/>
Weight (numeric) *	<input type="text" value="52.65"/>
Units *	<input type="text" value="lbs"/>
Donation recipient	<input type="text" value="Please Select"/> Add Donation recipient
Comments	<div></div>
Upload document	<input type="button" value="Choose File"/> No file chosen

Corporate Waste Goals

	RECYCLED (tons)		DISPOSED (tons)		DIVERSION RATE (%)		WASTE GOAL MET?
	2022	09/12/2023	2022	09/12/2023	2022	09/12/2023	
NM Operations							
Alamogordo Construction Center	80.67	43.87	10.00	4.00	89	92	YES
Albuquerque Service Center	2,259.73	513.08	128.25	6.25	95	99	YES
Deming Service Center	40.81	28.84	1.15	4.89	97	86	YES
Ruidoso Construction Center	89.35	54.71	1.75	3.95	98	93	YES
Santa Fe and Las Vegas Service Center	2,309.78	552.21	128.25	6.25	95	99	YES
Silver City Construction Center	46.24	64.19	42.87	15.68	52	80	YES
NM Generation							
Afton Generating Station	25.59	10.11	23.46	4.33	52	70	YES
Reeves Generating Station	24.32	26.72	3.78	2.50	87	91	YES
TNMP							
Clifton and Smaller Facilities	189.29	87.88	89.37	22.58	68	80	YES
Friendswood Construction Center	1,146.54	281.95	58.76	74.03	95	79	YES
Leonard and Smaller Facilities	283.76	162.85	21.00	11.77	93	93	YES
Lewisville: Construction Center	157.29	73.66	33.71	0.00	82	100	UND
Pecos and Smaller Facilities	198.82	185.05	10.39	7.16	95	96	YES
Texas City Gulf Coast Regional	120.74	95.08	4.14	3.33	97	97	YES
Texas City Meter Shop and League City	1.23	10.94	0.17	0.04	88	100	YES
West Columbia Construction Center	161.92	80.40	15.54	6.76	91	92	YES
Office							
Albuquerque Power Operations	2.17	0.47	1.35	0.00	62	100	UND
Alvin	0.66	0.18	0.00	0.07	100	73	YES
Aztec Facility	209.01	3.91	4.12	3.94	98	50	NO
HQ	22.23	25.02	14.75	6.62	60	79	YES
Lewisville Regional Office	7.98	7.22	5.01	4.24	61	63	NO
UND means undetermined - due to waiting on waste entry					Total Facilities Meeting Goal :17		

Diversion & Waste Pickup Details For
Albuquerque Service Center
From 01/01/2023 To 09/12/2023

9/12/2023

Diverted material type name	Diversion type name	Weight in Lbs
Metal, Aluminum Poles	Recycled	255.00
Metal, Aluminum, ACSR	Recycled	35,442.60
Metal, Aluminum, Bare Wire	Recycled	3,834.00
Metal, Aluminum, Breakage	Recycled	10,365.90
Metal, Aluminum, Mixed	Recycled	1,014.00
Metal, Aluminum, Neoprene	Recycled	2,022.60
Metal, Aluminum, Scrap	Recycled	40,267.65
Metal, Copper (Solomon Corp.)	Recycled	23,537.65
Metal, Core and Coil	Recycled	143,822.40
Metal, Scrap, Cont Jkt	Recycled	14,941.80
Metal, Steel (Solormon Corp)	Recycled	145,645.50
Metal, Unprepared Steel	Recycled	32,703.90
Other, Used Oil	Recycled	193,908.00
Paper, General Office	Recycled	5,883.85
Wood, Utility Poles	Recycled	166,720.00
Wood, Wood Chips	Recycled	205,800.00
Total Diversion in Lbs:		1,026,164.85
Total Waste in Lbs:		12,500.00
Diversion Rate:		98.80%

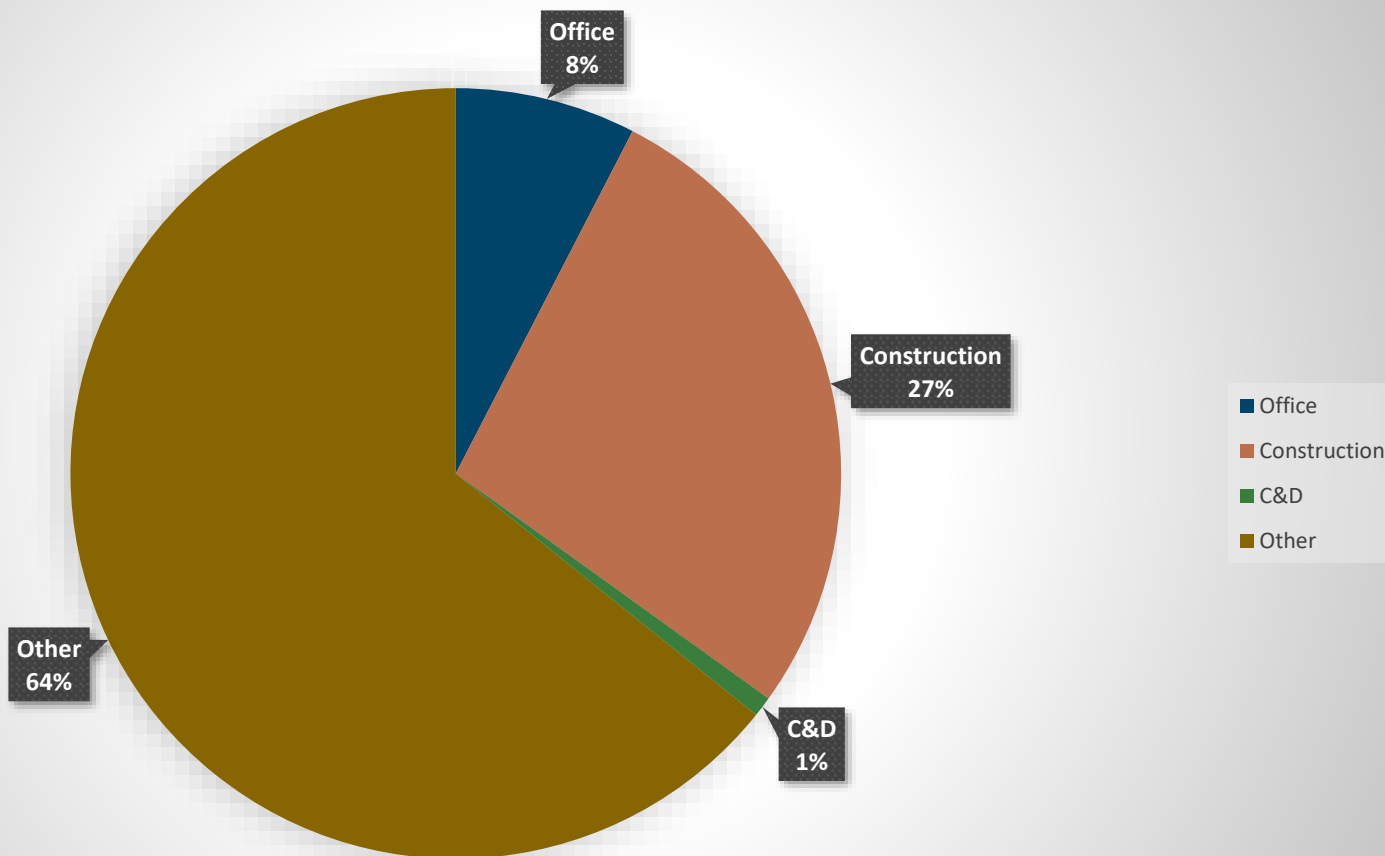
Investment recovery for Alb. Services center

Sourcing Contribution

Diverted material type name	Diversion type name	Weight in Lbs
Metal, Aluminum Poles	Recycled	255.00
Metal, Aluminum, ACSR	Recycled	35,442.60
Metal, Aluminum, Bare Wire	Recycled	3,834.00
Metal, Aluminum, Breakage	Recycled	10,365.90
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Metal, Steel (Solormon Corp)	Recycled	145,645.50
Metal, Unprepared Steel	Recycled	32,703.90
Other, Used Oil	Recycled	193,908.00
Total Diversion in Lbs:		647,761.00
Total Waste in Lbs:		0.00
Diversion Rate:		100.00%

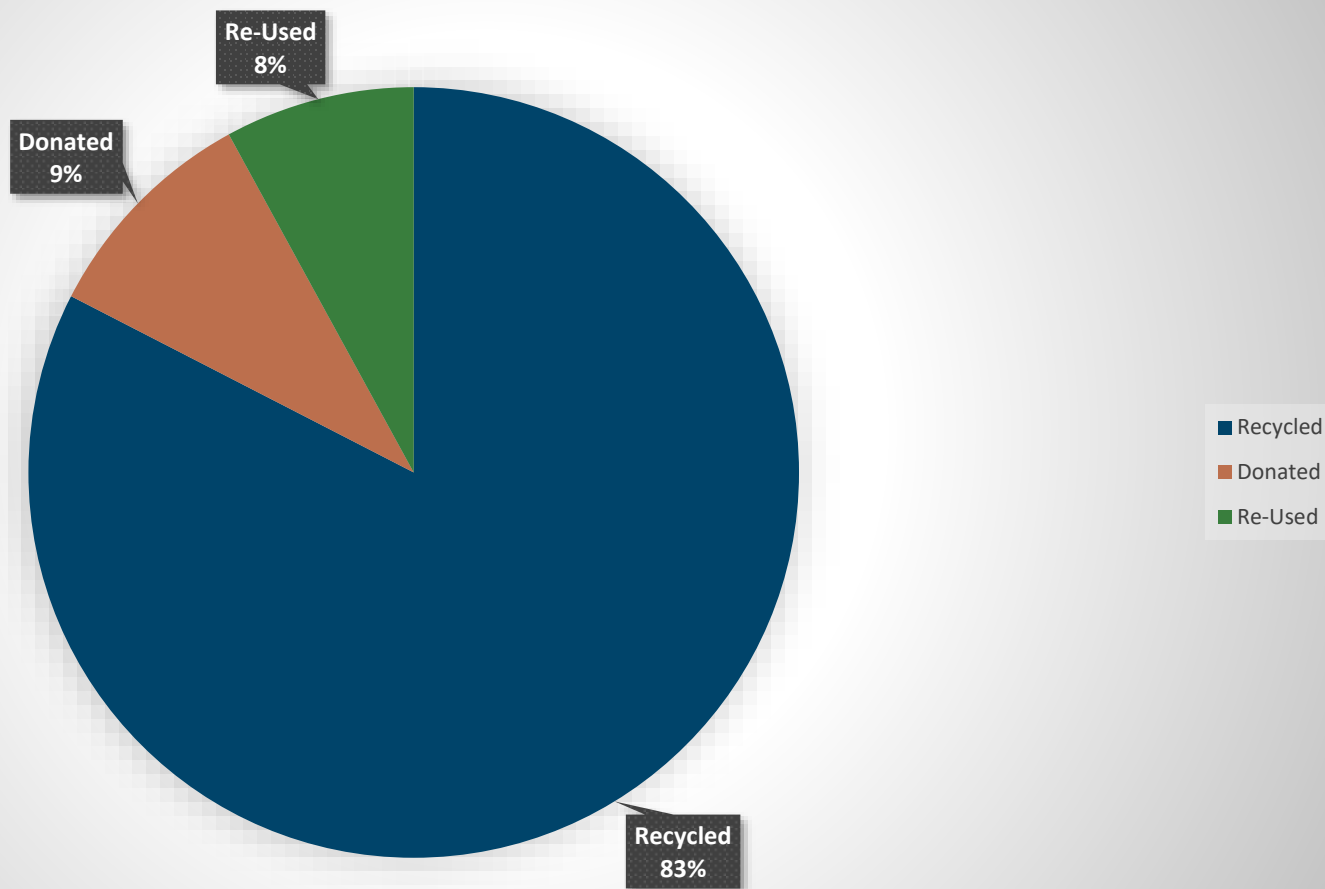
2023 Waste Materials 12,821 Tons

Waste Types



2023 Diversion 27,700 Tons

Diversion Types





POLLINATOR PROGRAM UPDATE



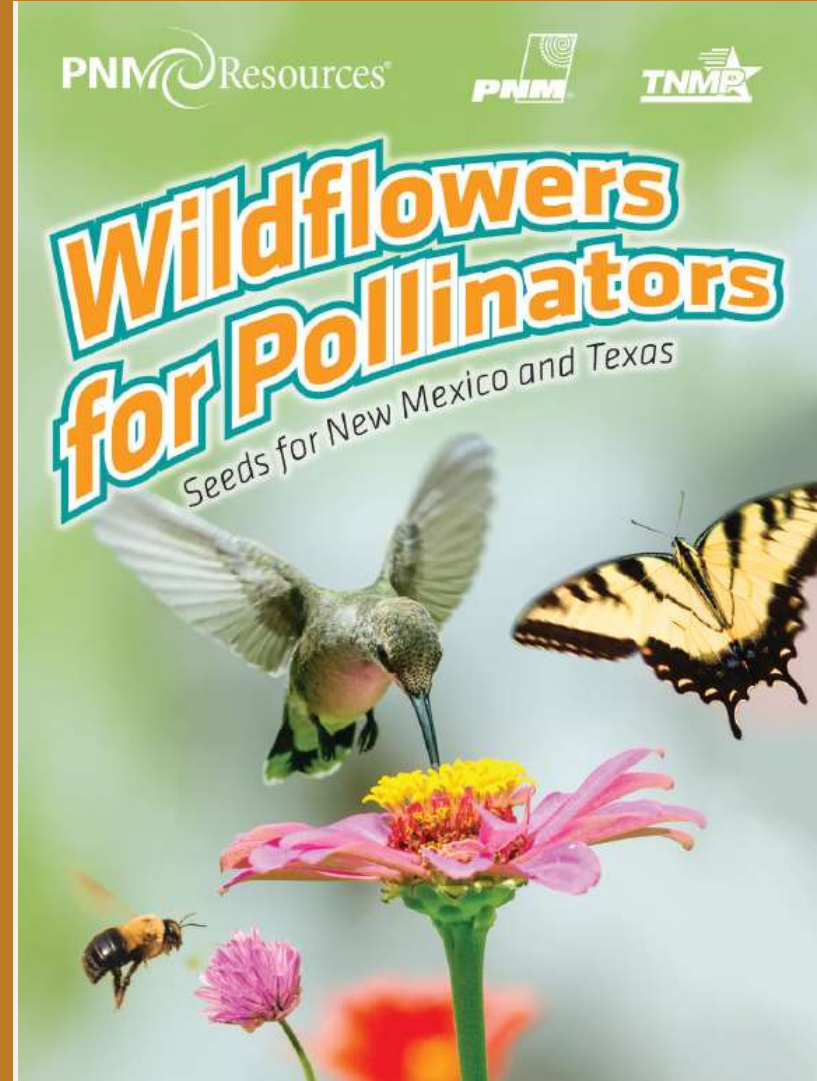
Water Capture: Pilot Garden



- Utilize rainwater capture for corporate facilities
 - IE - Rainwater is currently collected from rooftops to fill underground cistern at the Aztec Facility
- Working to build a pilot pollinator garden in one detention basin to be replicated at other facilities if successful
 - Work with TG groups to coordinate implementation, maintenance, and education of gardens
- Promote more efficient water use and supports pollinator and wildlife habitat

Pollinator Seed Packets

- To be distributed to employees
- To be distributed to customers to increase pollinator habitat in our urban areas



Pollinator Friendly Seed Mixes for Solar Sites

- Increasing diversity

- Adding cover crops to trap water

- Adding pollinator friendly species

- Working to keep costs down

Species	PLS lbs./acre
Winterfat (<i>Krascheninnikovia lanata</i>)	0.50
Indian ricegrass (<i>Achnatherum hymenoides</i>)	2.00
Blue grama (<i>Bouteloua gracilis</i>)	2.00
Green needlegrass (<i>Nassella viridula</i>)	0.50
Sand dropseed (<i>Sporobolus cryptandrus</i>)	0.50
Little bluestem (<i>Schizachyrium scoparium</i>)	1.00
Sideoats grama (<i>Bouteloua curtipendula</i>)	3.00
Gordon bladderpod (<i>Lesquerella gordonii</i>)	0.10
Firewheel (<i>Gaillardia pulchella</i>)	0.10
QuickGuard Sterile Triticale (<i>Triticum aestivum</i> x <i>Secale cereale</i>)	10.00
Desert bluebells (<i>Phacelia crenulate</i>)	0.05
Mexican hat (<i>Ratibida columnifera</i> forma <i>pulcherrima</i>)	0.10
Plains coreopsis (<i>Coreopsis tinctoria</i>)	0.10
Total:	19.95

Before

After

Species	PLS lbs./acre
Winterfat (<i>Krascheninnikovia lanata</i>)	1.00
Indian ricegrass (<i>Achnatherum hymenoides</i>)	2.00
Blue grama (<i>Bouteloua gracilis</i>)	2.00
Needle and thread (<i>Hesperostipa comata</i> ssp. <i>Comata</i>)	1.00
Sand dropseed (<i>Sporobolus cryptandrus</i>)	0.50
Galleta grass (<i>Pleuraphis jamesii</i>)	2.00
Sideoats grama (<i>Bouteloua curtipendula</i>)	3.00
	11.50



Big Picture View

Working on seed mix and maintenance standards to incorporate into operations such as:
IVM practices, SOWs, RFPs, Wildfire Mitigation Plan,
Operating plans for BLM and USFS



Team Green Integration

- Working to expand Team Green's focus to sustainability, rather than just recycling efforts - including pollinators
- Engage Team Green with pollinator plantings and community events
 - Explore Community Crew opportunities
 - Ask for inputs and ideas
- Increase membership with variety of tasks and opportunities to participate



Thank You!

Ernie Rodarte
September 20, 2024

