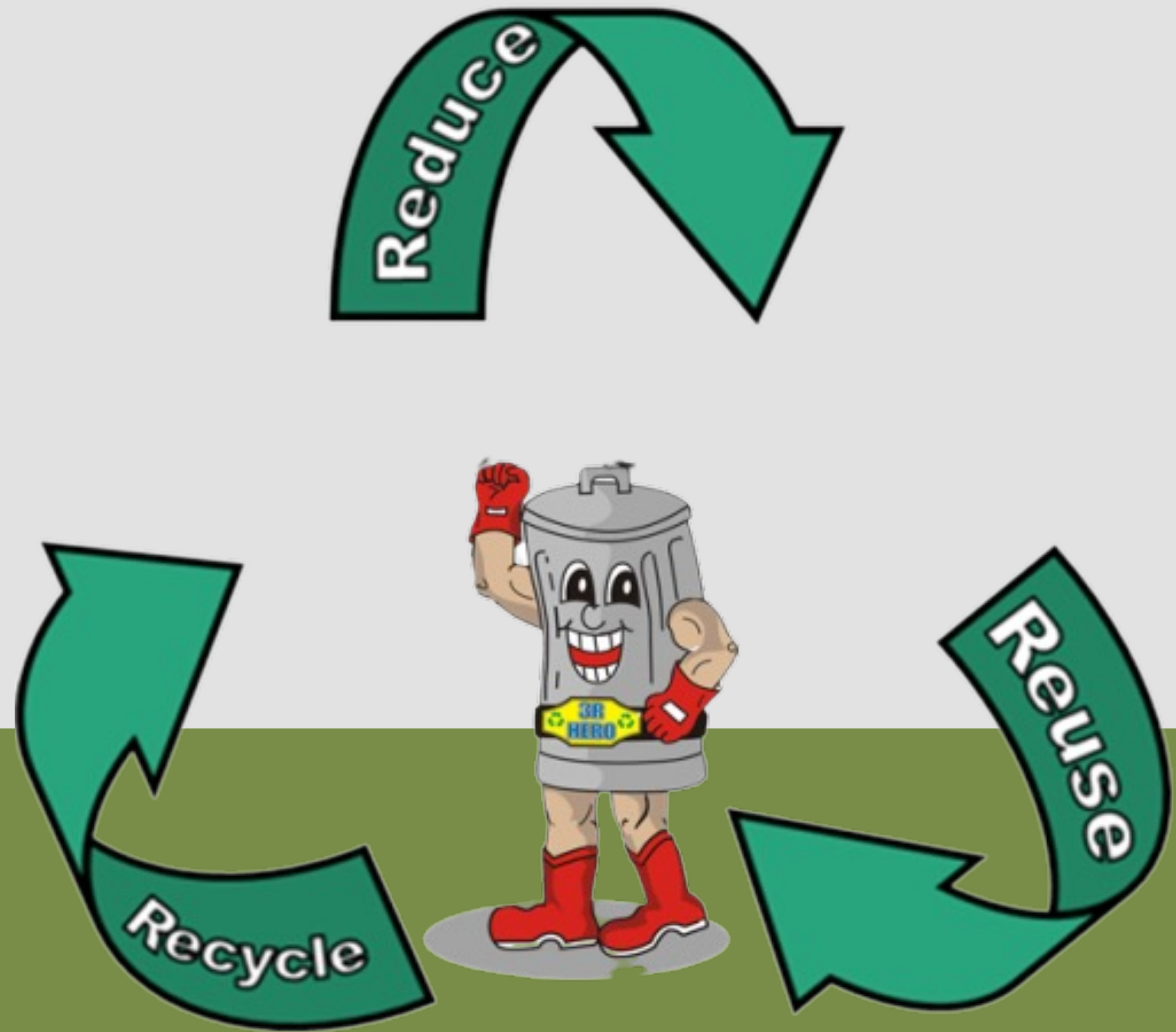


# Division of Solid Waste Management

Bureau of Public Works

Ministry of Public Infrastructures and Industries



# About CDL

## **CDL/DBC (Container Deposit Legislation/Deposit Beverage Container)**

**RPPL 7-24 (Oct. 22, 2006)** Established a recycling program for the Republic of Palau, establishing a beverage container deposit fee, creating a Recycling Fund; and for other related purposes.

Program started on Year 2011-2018 (Limited Container Size Less than or equal to 32oz)

**RPPL10-31 (Nov. 21, 2018)** To amend Chapter 16 Title 11 of Palau National Code to expand the definition of “deposit beverage” it includes any liquid intended for human consumption and to eliminated the thirty-two-ounce size limitation for deposit beverage containers, and for other related purposes.

**House Bill No. 11-60-6, HD1**, “To amend Title 11 of the Palau National Code to expand the types of containers covered by the recycling program, and for other related purposes” which was passed on its third and final reading by the members of the House of Delegates, Eleventh Olbiil Era Kelulau, with quorum being present and voting during its Eight Special Session, September 2022.







# PacWastePlus Project

- Funded by European Union
- Working with 14 countries in the Pacific Region
- MOU between EQPB, BPW, and SPREP (signed & approved on July 21, 2021)
- 5-year program ( End on Year 2025)
- Main objective of this project is to design Palau's End-of-Life Tyre (EOLT) Management System.





# JPRISM III

## Japanese Technical Cooperation Project for Promotion of Regional Initiative on Solid waste Management in Pacific Island Countries, Phase III

Five years project (July 2023 to July 2028)

**Overall Goal:** Basic framework and necessary measures towards sound material cycle society through 3R+Return are in place in the Pacific region.

**Project Purpose:** The mechanism for self-sustaining solid waste management and 3R+Return is strengthened

<b>Project Period</b>	July 2023 to July 2028 (Five years)	
<b>Project Sites (Countries)</b>	<b>Palau</b> , FSM, RMI, PNG, Solomon, Vanuatu, Fiji, Tonga and Samoa.	
<b>Implementing Agencies</b>	SPREP 9 target countries	
<b>Target Group</b>	Government officials and waste/recycle workers in 9 countries	

### Output 1 Organizational, institutional and financial capacities on solid waste management are enhanced/improved

1.1 Draft regulation is developed in preparation for the introduction of tipping fees for public (national and state government) and commercial waste generators at the National Landfill

### Output 2 Capacity of providing public services on waste management is enhanced

1.1 At least 2 pilot projects on improvement/closure of public open dumpsite are conducted to prevent environmental pollution, generating lessons learned for future scale-up.

### Output 3 “3R+Return” System is promoted

3.1 An overarching law to expand Advance Recovery Fee & Deposit (ARFD) towards sound material cycle society is drafted and a legal framework for at least one problematic waste stream (end of life vehicles, e-waste, batteries, etc.) is drafted.

3.2 Feasibility is examined for the proposed legal framework for at least one problematic waste stream in order to identify a financially viable model including value added recycling value chain.

### Output 4 The knowledge and experiences in the region are shared





## International Center for Environmental Technology Transfer



**Overall Goal:** In Palau, appropriate sorting and recycle system of the wastes will be carried out as well as the further recycle-oriented society will be formed.

**Phase 1** (3 Year Pilot Project August 20, 2018 to August 19, 2021) The Project on working together with the government and citizens for zero waste society promotion in Ibobang, Ngatpang and Mongami, Aimeliik.

**Project Purpose:** The household wastes will be appropriately sorted and recycled by the residents in the target areas toward the effective utilization of the new constructed Landfill site.

**Phase 2** (3 Year Project February 2023 to January 2026) Project to Promote Systematic Household Waste Segregation and Discharge in Babeldaob Island, the Republic of Palau.

**Project Purpose:** Establishment of household waste segregation and discharge system in Ngatpang and Aimeliik states, and full preparedness for widespread deployment on the Babeldaob Island including 8 Elementary Schools in Babeldaob.





# National Landfill

- Located in Aimeliik
- Semi-aerobic system (Fukuoka Method)
- Developed over a period of two years
- Cost: over 10 million USD (Government of Japan)
- Size: 20 acre
- Capacity: 284,898 cubic meter
- Lifespan of 25 years.
- Completed: November 2020
- Opened: February 22, 2021
- Receive waste: Babeldaob States & Koror State.
- Collection service: Outsource to private sector
- Collection Service Contract is renewed annually





New Landfill Data for Incoming Waste										
	FY 2021		FY 2022		FY 2023		FY 2024		FY 2025	
State (Residents)	General Waste	Metal	General Waste	Metal	General Waste	Metal	General Waste	Metal	General Waste	Metal
Ngarchelong	26,730	1,670	61,340	17,770	67,020	14,970	83,030	15,510	23,340	7,430
Ngaraard	15,580		71,860	390	71,150	1,960	83,880	3,390	23,780	350
Ngardmau	12,670		30,380	1,890	34,630	13,640	33,390	2,970	11,990	1,490
Ngival	16,970		57,391	1,830	43,890	3,940	51,790	2,620	16,610	1,000
Ngeremlengui	18,270	19,530	59,180	31,490	58,290	9,850	58,670	25,980	15,620	17,840
Melekeok	20,700		72,275	3,045	70,490	12,030	96,470	8,370	25,750	3,820
Ngatpang	14,220	890	47,520	10,300	46,760	5,870	60,230	6,250	17,240	2,100
Ngchesar	17,700	40	67,770	628	61,730	10,510	67,260	4,450	17,050	820
Aimeliik	18,030	-	66,660	13,900	55,800	24,430	57,260	44,780	12,100	12,920
Airai	62,920	130	327,515	22,660	315,570	22,970	392,720	46,800	129,020	11,600
Koror	287,324	18,110	1,565,808	51,550	1,788,200	52,840	1,959,200	55,350	514,698	17,690
Kayangel	530	-	130	-	100	-	580	-	310	-
Sonsorol	-	-	-	-	940	310	-	-	-	-
<b>TOTAL (kg)</b>	<b>511,644</b>	<b>40,370</b>	<b>2,427,829</b>	<b>155,453</b>	<b>2,614,570</b>	<b>173,320</b>	<b>2,944,480</b>	<b>216,470</b>	<b>807,508</b>	<b>77,060</b>
Data Collection Date	<i>(FEB 22, 2021-JUNE 10, 2021)</i>		<i>(Oct 18, 2021 - Aug 27, 2022)</i>		<i>(Dec 12, 2022 - Sept 30, 2023)</i>		<i>(Oct 01, 2023 - Sept 30, 2024)</i>		<i>(Oct 01, 2024 - Dec 31, 2024)</i>	
	FY 2021		FY 2022		FY 2023		FY 2024		FY 2025	
Other	General Waste	Metal	General Waste	Metal	General Waste	Metal	General Waste	Metal	General Waste	Metal
Government Offices	46,280	2,160	302,519	22,060	220,996	18,900	267,150	29,140	72,960	10,080
Commercial/Private (Business, Schools, Church)	737,961	178,620	3,662,810	358,715	5,139,270	557,980	4,871,197	362,868	1,323,420	137,570
<b>TOTAL (kg)</b>	<b>784,241</b>	<b>180,780</b>	<b>3,965,329</b>	<b>380,775</b>	<b>5,360,266</b>	<b>576,880</b>	<b>5,138,347</b>	<b>392,008</b>	<b>1,396,380</b>	<b>147,650</b>
Data Collection Date	<i>(FEB 22, 2021-JUNE 10, 2021)</i>		<i>(Oct 18, 2021 - Aug 27, 2022)</i>		<i>(Dec 12, 2022 - Sept 30, 2023)</i>		<i>(Oct 01, 2023 - Sept 30, 2024)</i>		<i>(Oct 01, 2024 - Dec 31, 2024)</i>	
<b>Overall Total (kg)</b>	<b>1,295,885</b>	<b>221,150</b>	<b>6,393,158</b>	<b>536,228</b>	<b>7,974,836</b>	<b>750,200</b>	<b>8,082,827</b>	<b>608,478</b>	<b>2,203,888</b>	<b>224,710</b>
<b>Total of (General Waste&amp; Metal)</b>		<b>1,517,035</b>		<b>6,929,386</b>		<b>8,725,036</b>		<b>8,691,305</b>		<b>2,428,598</b>



**Table: Incoming Waste Data**

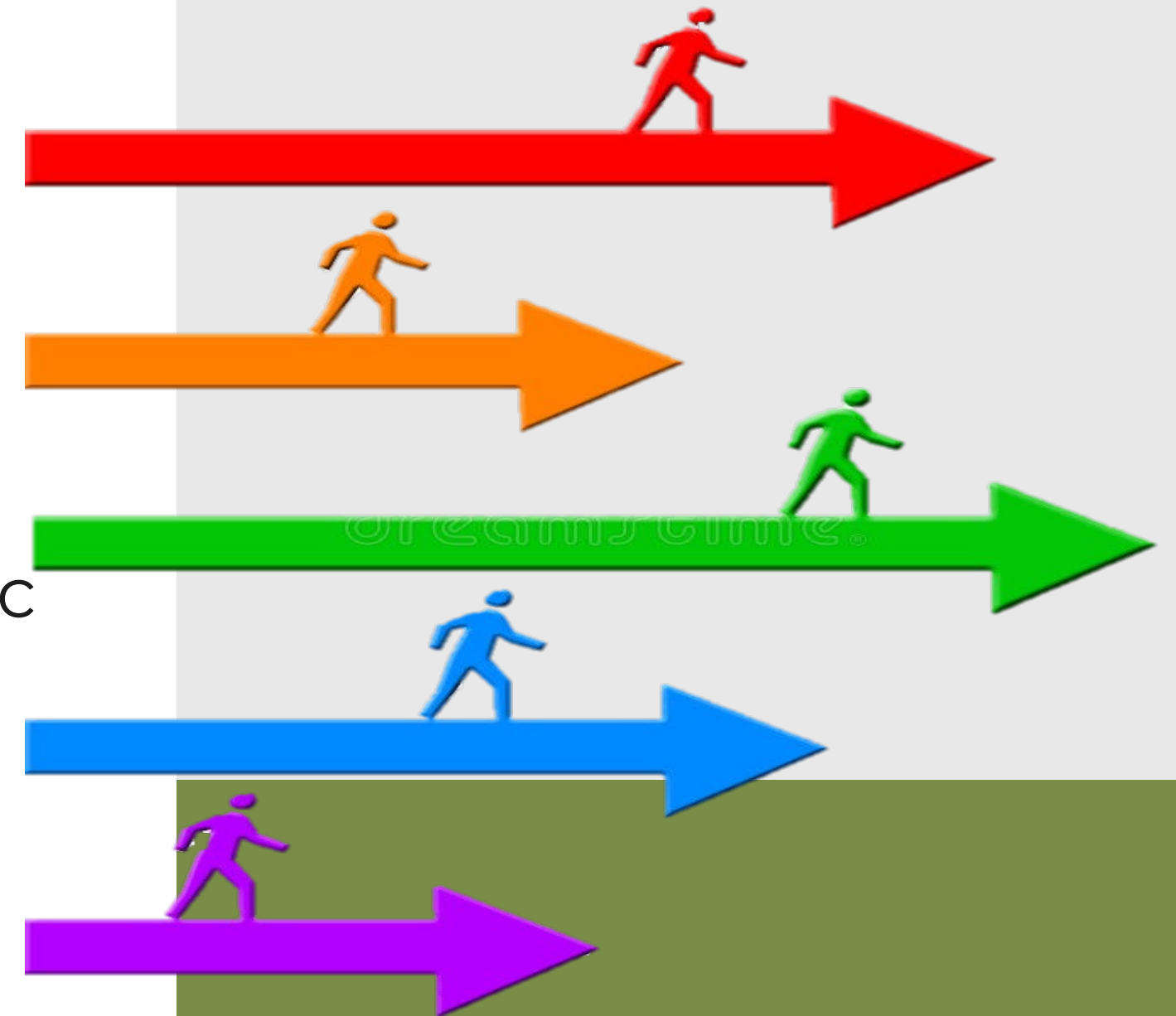


**Babeldaob Waste Collection Schedule**

	STATE	VEHICLE	COLLECTION DAYS	COLLECTION TIME
EAST SIDE	Ngaraard	TRUCK #2 Blue truck	Monday	9:00 am-3:00 pm (Truck #2)
	Ngkeklau Hamlet		Tuesday	1:00 pm-3:00 (Truck #1)
	Ngival		Wednesday	9:00 am-1:00 pm
	Melekeok		Thursday	9:00 am-3:00 pm
	Ngchesar		Thursday	9:00 am-1:00 pm
	Oikull Hamlet		Friday	1:30 pm-3:30 pm
Airai	Friday	8:30 am-3:30 pm		
WEST SIDE	Ngerchelong	TRUCK #1 Yellow truck	Monday	9:00 am-1:00 pm
	Ngardmau		Tuesday	9:00 am-1:00 pm
	Ngeremlengui		Wednesday	9:00 am-1:00 pm
	Ngatpang		Thursday	8:30 am-1:00 pm
	Aimeliik		Friday	8:30 am-1:00 pm

# Way Forward

- Expanding CDL to go beyond beverage containers
- Waste to Resource Initiatives
- Implementation of Projects including public awareness and outreach programs





**Thank  
You**

