

# FROM LEARNED HELPESSNESS TO RESILIENCE

The transformation journey of  
M a n d a u e   G r e e n   L e a r n i n g   P a r k

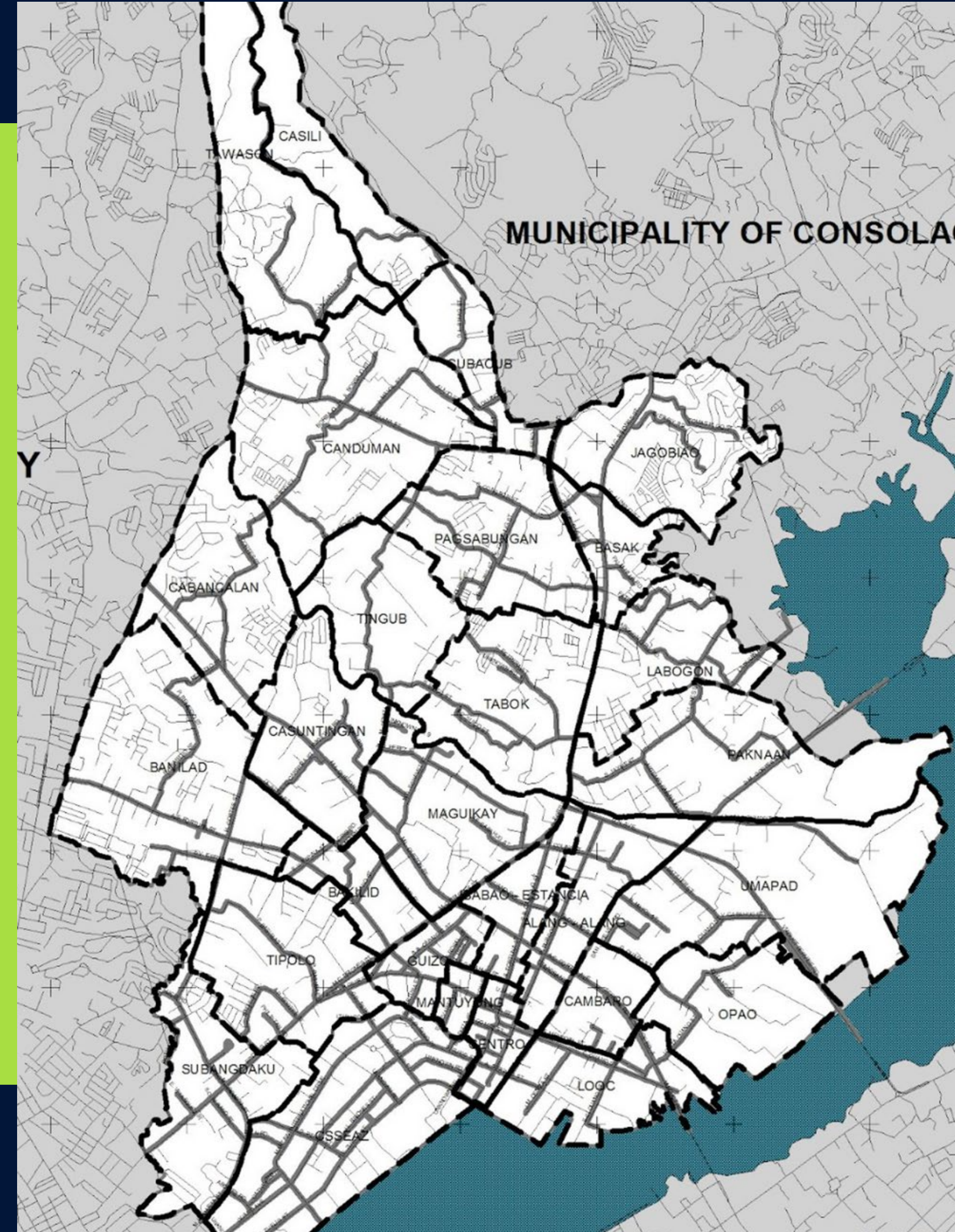
iamMandaue  
MOVEMANDAUE





# BASIC INFO

- Population: 364,116 (2020 PSA Census)
- Area: 32.85 sq. km.
- Population Density 14,461 person per sq. km.
- 27 Barangays (villages)
- Highly Urbanized City (1991)
- Lone Congressional District (2019)







# CHALLENGES





# WHY MOVE FOR MANDAUE?



Re s ilie n t  
Economy



Su s t a i n a b l e  
Environment



Resilient  
Communities



# MAKING GOVERNANCE A SHARED RESPONSIBILITY





# MANDAUE GREEN LEARNING PARK

## Resilient Community

*(waste pickers/fisherfolks)*

## Resilient Economy

*(livelihood & skills training)*

## Sustainable Environment

*(Kalidhay Park, Mangrove, river rehab)*

**Objective** : Transformation of open dumpsite to learning park to allow visitors, especially students, to learn environmental principles and practices .

**History** : Evolution from open dumpsite to learning park, Butuanon River Rehabilitation, Mangrove Protection

**Moving forward** : Complete the implementation of the MGLP and Expand to Mangrove Eco-Park

**Plans & Programs** : CLUP, Safe Closure Plan, Mangrove Park, Waste Diversion Program, IEC in schools, Blue Economy Roadmap



# BEFORE CLOSURE





# BEFORE CLOSURE





# ORDERED CLOSED







# ONGOING DEVELOPMENT OF MANDAUE GREEN LEARNING PARK

*Based on the 2018 DENR - Approved Safe Closure & Rehabilitation plan*



# WHERE THE GARBAGE WENT

## GUUN PLASTIC RECYCLING FACILITY PHILIPPINE BRANCH

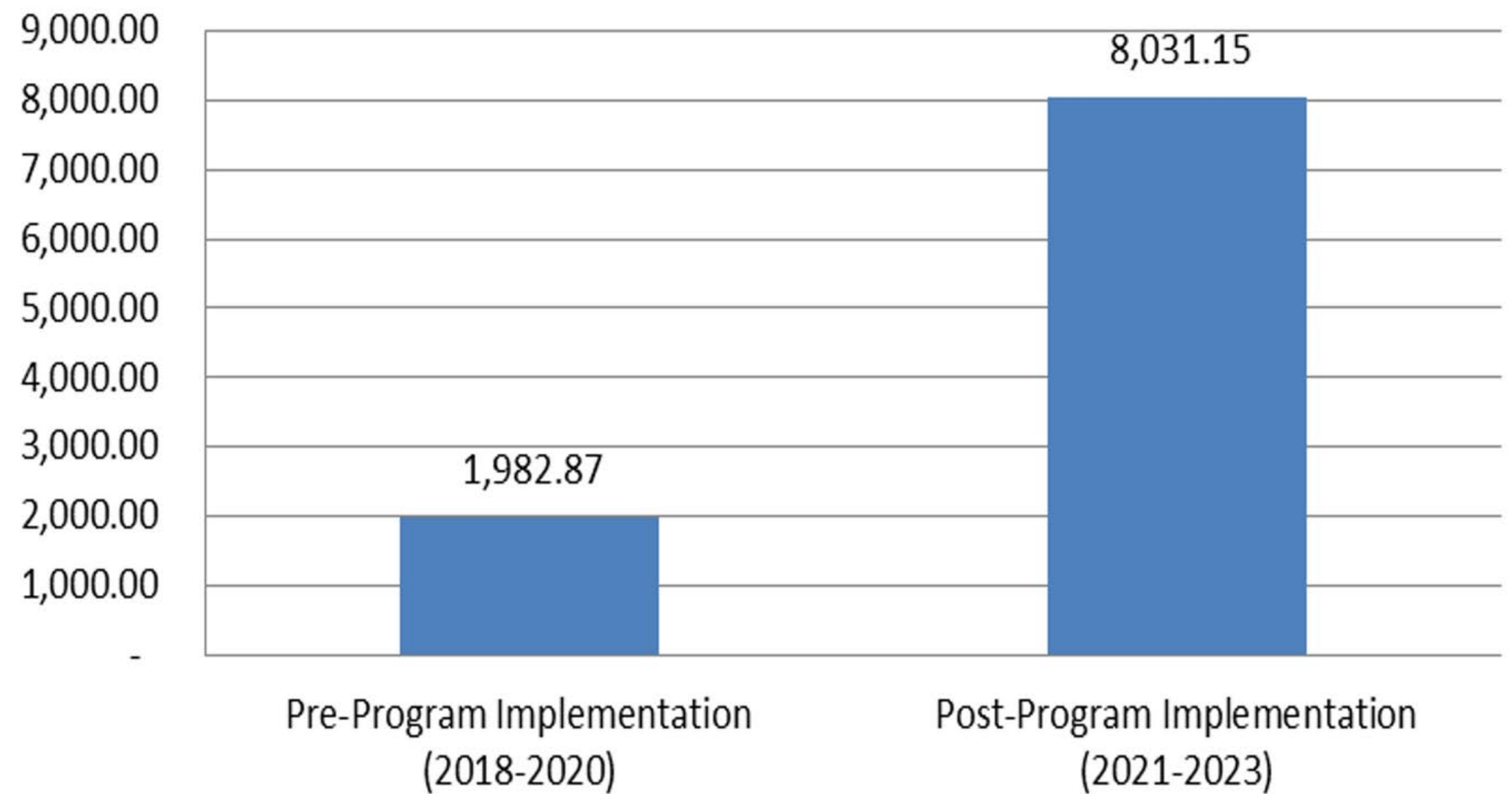
*Recycles plastic wastes and turns  
them to fluff fuel*





**Volume of recyclables  
/ plastic packaging  
wastes delivered /  
diverted to Partner  
Recycler (average per  
year)**

## **Diverted Wastes to Recycling Facilities (kg)**





# WHERE THE GARBAGE WENT

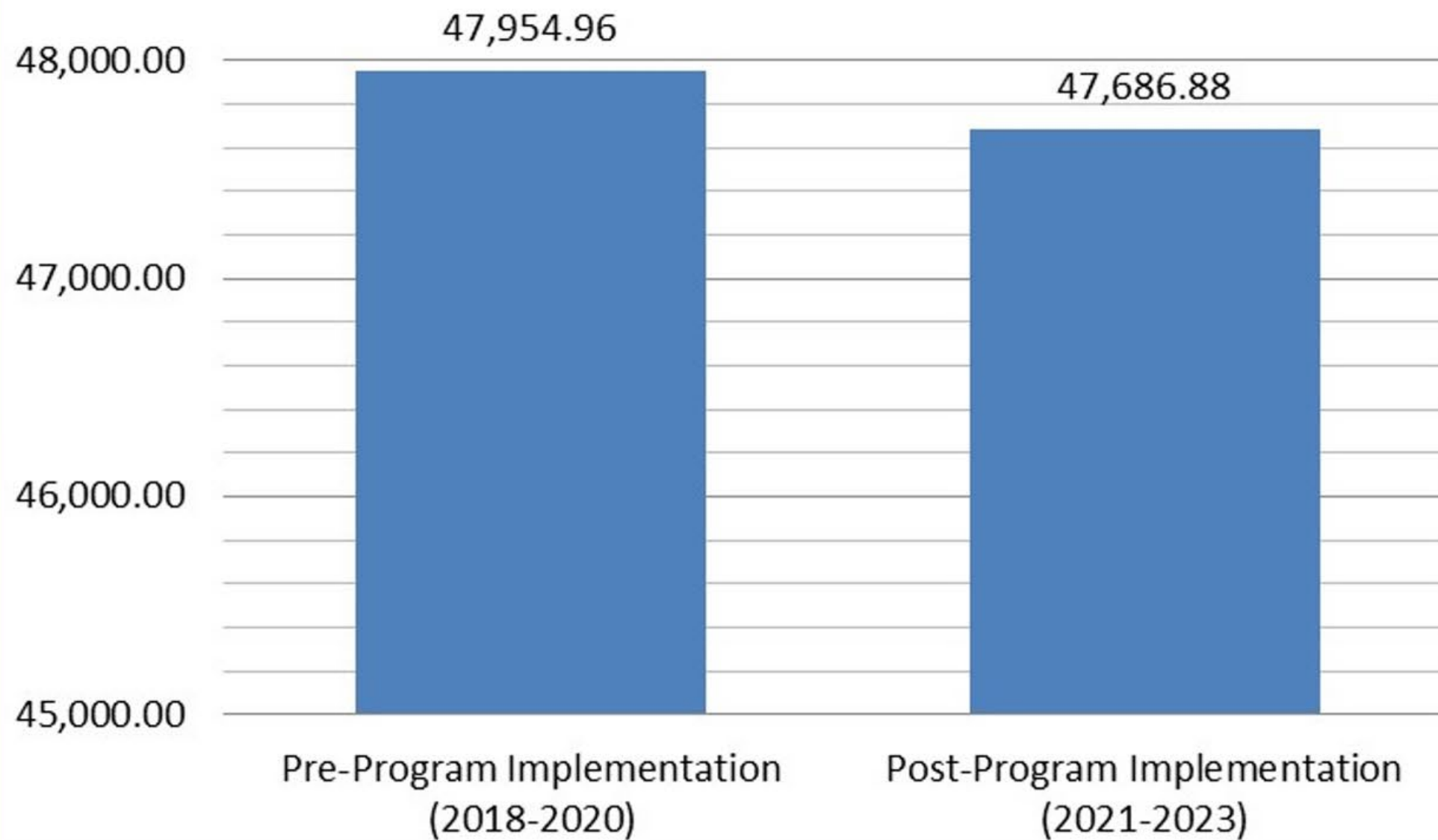
PRIME WASTE  
SOLUTIONS INC

*Accredited sanitary landfill for  
residual wastes*





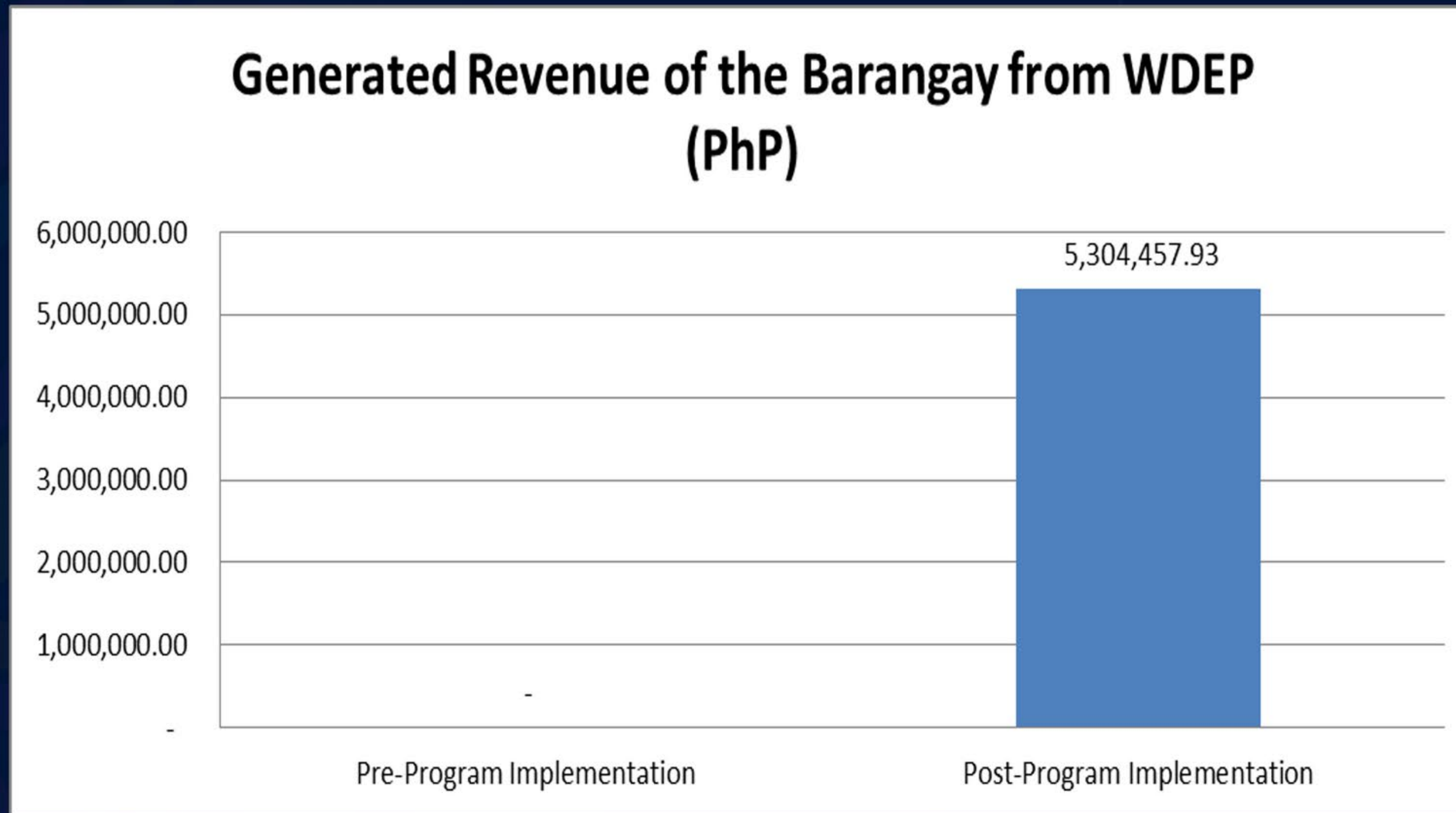
## Waste Disposed to Sanitary Landfill (Average tons per year)



A substantial decrease  
of 0.6% in overall  
waste disposed in the  
Sanitary Landfill



# Generated Revenues from Waste Diversion and Entrepreneurship Program (average per year)







Mandaue City, Central Visayas, Philippines  
C+8FG Kalidhay Park, Mandaue City, Cebu, Philippines  
10.340154°  
123.972374°  
3/24 11:06 AM GMT +08:00

# WHERE THE GARBAGE WENT

## ORGANIZED MGLP WASTE PICKERS

*\*Some MGLP waste pickers and  
GSO personnel building compost  
beds for biodegradable wastes*





# COMPOSTING BY WASTE PICKERS



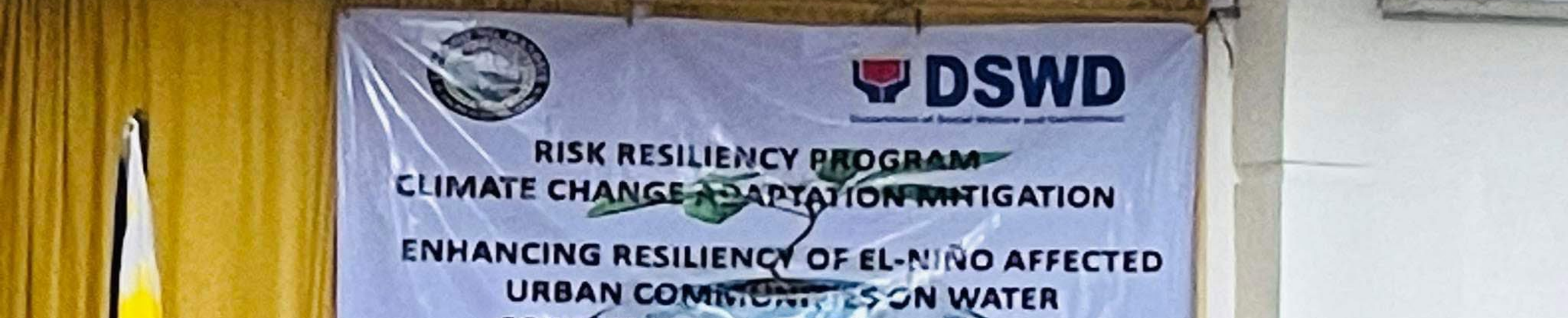




# COMPOSTING BY WASTE PICKERS







# RISK RESILIENCY TRAINING OF WASTE PICKERS







# PROGRAMS FOR WASTE PICKERS

MANGROVE ECO - WARRIORS





# **PROGRAMS FOR WASTE PICKERS**

## **BACKYARD URBAN FARMING (LIVELIHOOD PROGRAM)**





# PROGRAMS FOR WASTE PICKERS

WASTE SEGREGATORS (SOME HIRED BY CITY)

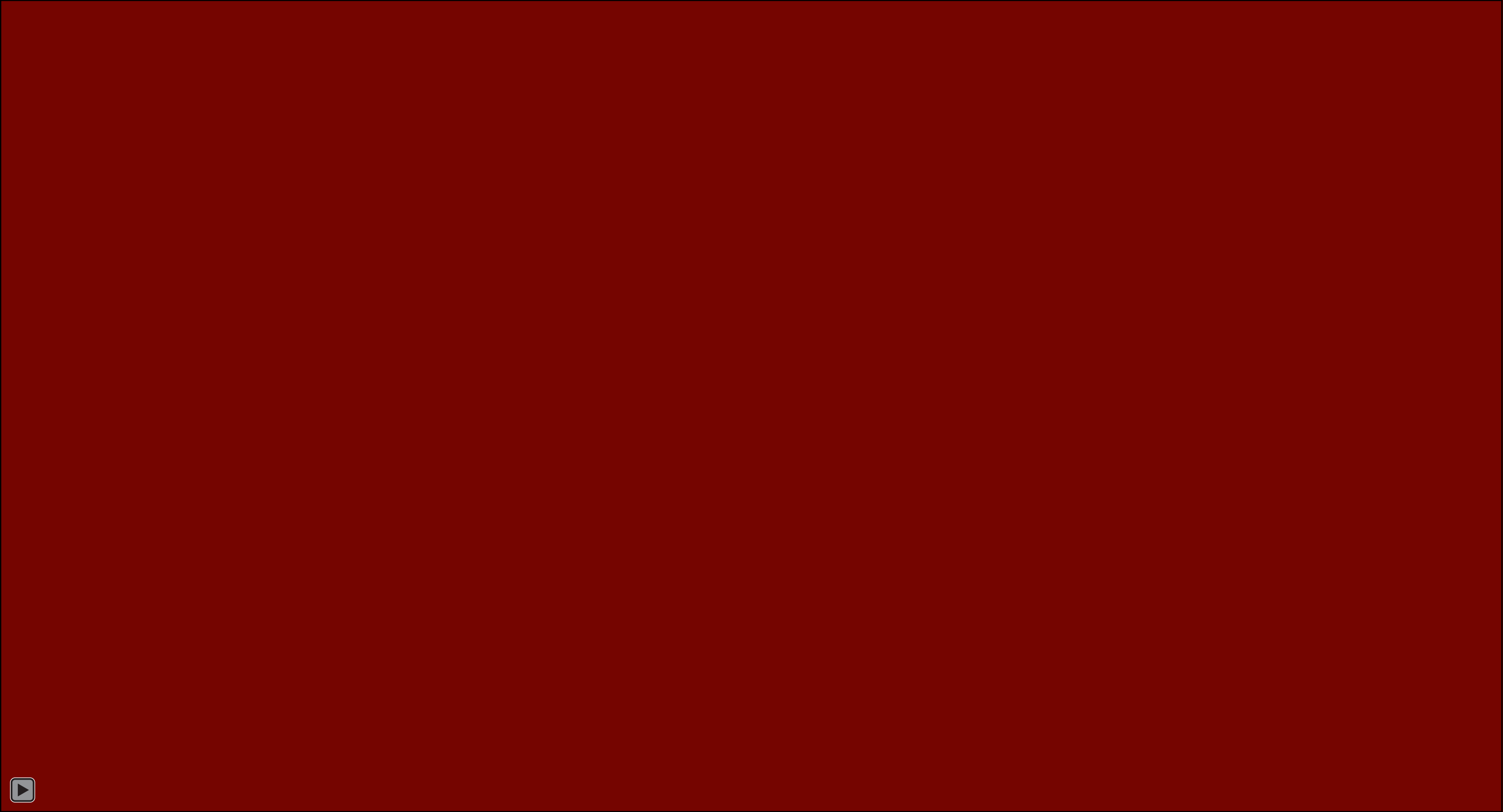


# COMING HOME FULL CIRCLE

iam **Mandaue**  
MOVE MANDAUE















# THANK YOU

iamMandaue  
MSVE MANDAUE