

COUNTY OF MAUI

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

FY23-FY28 6-YEAR CIP PROJECTS



Water and Infrastructure Committee
March 20, 2023

DEM Total Proposed CIP Budget by FY

FY2023 = \$75.5 M

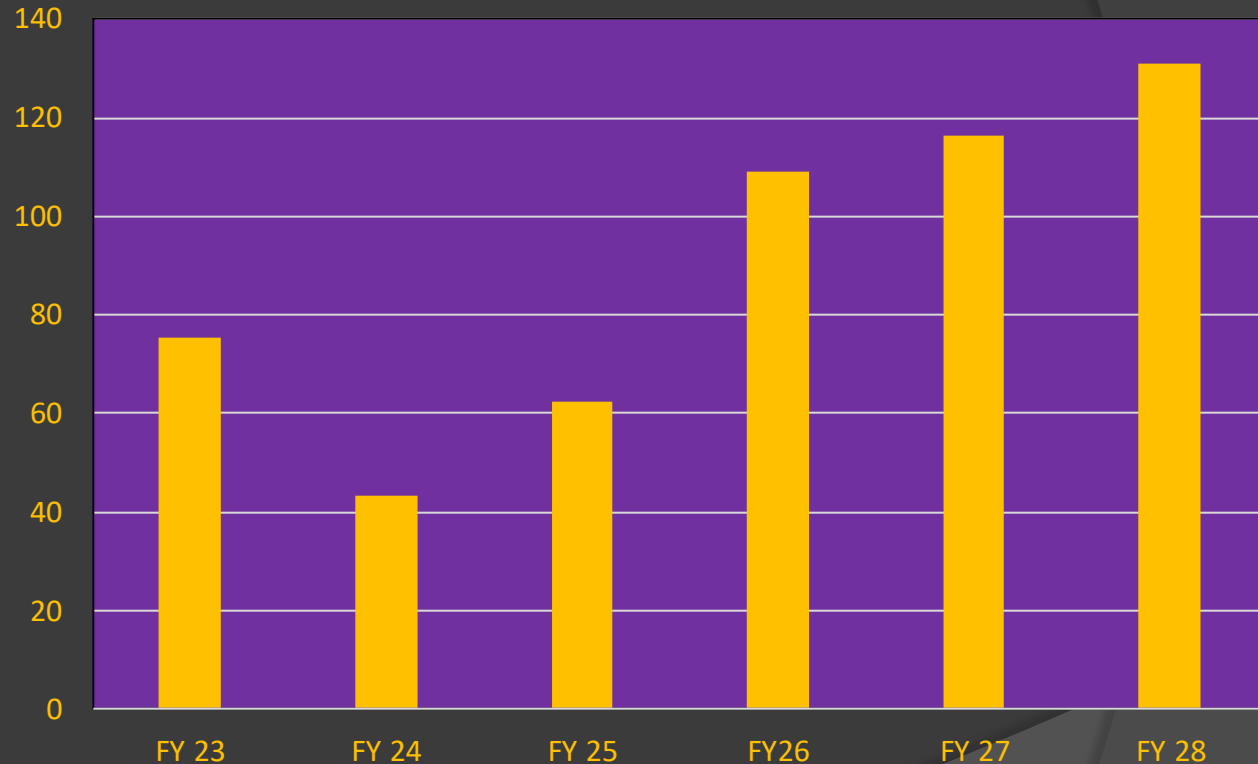
FY2024 = \$43.3 M

FY2025 = \$62.3 M

FY2026 = \$109.2 M

FY2027 = \$116.3 M

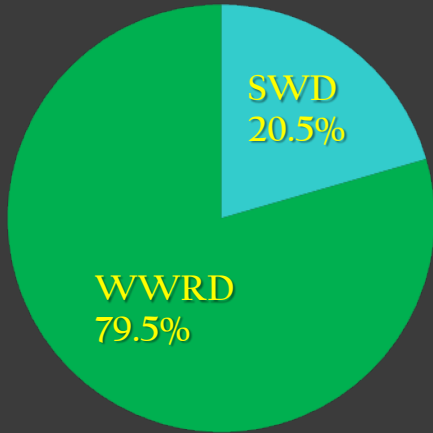
FY2028 = \$131.1 M



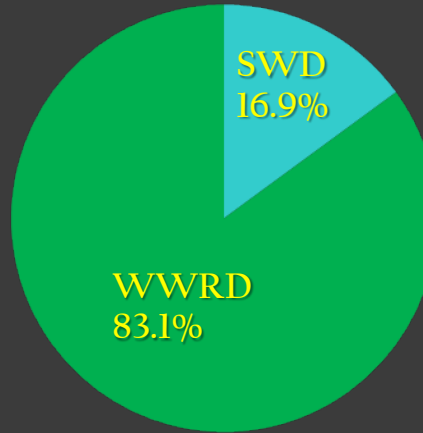
The projects listed along with budget amounts are only proposed and anticipated. Either or both may be changed due to various reasons.

FY23-FY28 CIP Budget by Division

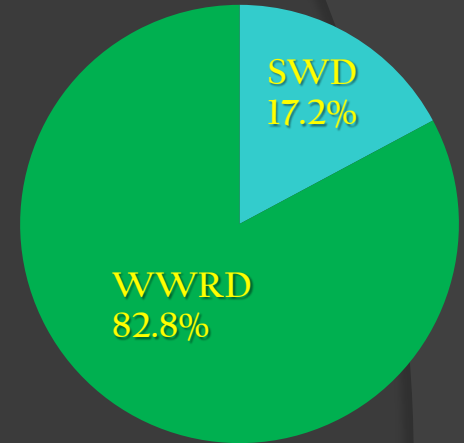
FY23



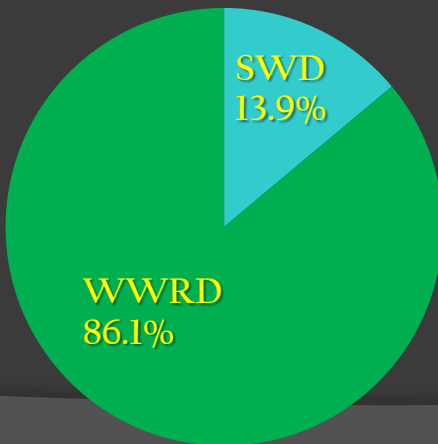
FY24



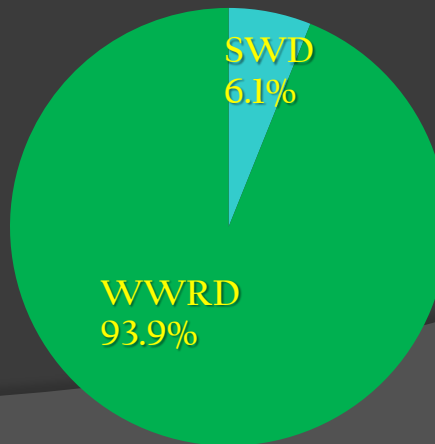
FY25



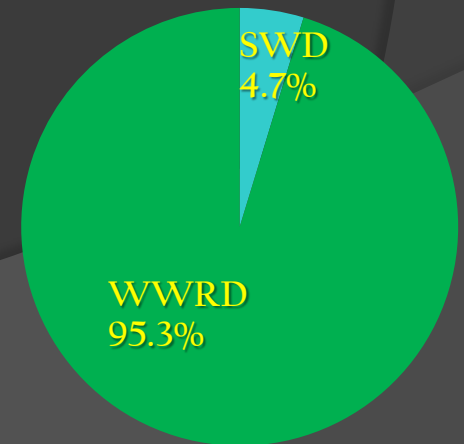
FY26



FY27



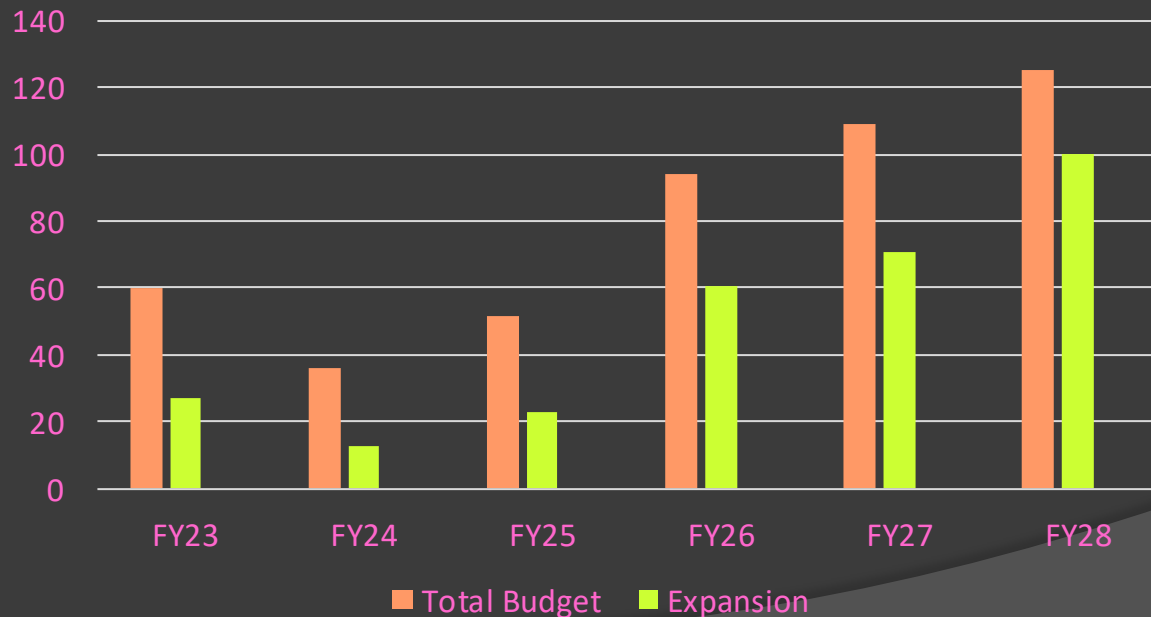
FY28



WWRD FY23-FY28 CIP Projects

- ◎ Approx. 38.3% of total CIP budget are regulatory or maintenance related projects
- ◎ Approx. 61.7% of total CIP budget are expansion or new infrastructure related projects

WWRD Expansion Projects by FY



WWRD FY23-FY28 CIP Projects (Cont.)

FY 2023

- West Maui Recycled Water System Expansion.....(Const.)
- North Kihei Reuse Distribution Expansion.....(Dsgn.)
- Lahaina WWRF R-1 Process Expansion.....(Const.)
- Kihei Land Application System.....(Const.)
- Waikapu/Wailuku Diversion Pump Station and Force Main.....(Dsgn.) ★
- Waikapu/Wailuku Diversion Gravity Sewer.....(Dsgn.) ★
- Honoapiilani Hwy Recycled Water Lateral Installation.....(Const.)
- Upper Waiko Road Sewer Extension.....(Dsgn.) ▲

FY 2024

- Kaanapali Resort R-1 Distribution System Expansion(Const.)
- Lahaina WWRF R-1 Process Expansion(Dsgn.+Const.)
- Kihei Wastewater Pump Station No. 7 Relocation.....(Dsgn.)
- Kaiola Place Sewer Extension.....(Const.) ▲



Proposed Waikapu WWTF



Wai/Kah WWTF R-1 Disposal



Cesspool Conversion

WWRD FY23-FY28 CIP Projects (Cont.)

FY 2025

- Kihei Wastewater Pump Station No. 7 Relocation.....(Const.)
- North Kihei Mauka Transmission System.....(Const.)
- Liloa Drive Recycled Water Line.....(Const.)
- Waiko Road Subdivision Sewer System.....(Const.) ▲
- Upper Waiko Road Sewer Extension.....(Const.) ▲
- Honokowai R-1 Water Distribution System.....(Dsgn.)

FY 2026

- North Kihei Mauka Transmission System.....(Const.)
- Waikapu/Wailuku Diversion Gravity Sewer.....(Const.) ★
- Wailuku-Kahului Recycled Water Force Main.....(Const.) ●
- Waikapu/Wailuku Diversion Pump Station and Force Main.....(Const.) ★



Proposed Waikapu WWTF



Wai/Kah WWTF R-1 Disposal



Cesspool Conversion

WWRD FY23-FY28 CIP Projects (Cont.)

FY 2026 (Cont.)

- Wailuku-Kahului Recycled Water Pump Station.....(Const.) ●
- North Kihei Reuse Distribution Expansion.....(Const.)
- Wailuku-Kahului WWRF Upgrade to R-1.....(Dsgn.) ●
- South Maui R-1 Distribution System Expansion (Wailea).....(Plng.)
- South Kihei Capacity Sewer Upgrades.....(Plng.)

FY 2027

- Central Maui Regional WWRF (Waikapu).....(Const.) ★
- North Kihei Mauka Transmission System.....(Const.)
- Honokowai R-1 Water Distribution System.....(Const.)
- Wailuku-Kahului Recycled Water Force Main.....(Const.) ●
- Wailuku-Kahului Soil Aquifer Treatment (SAT) Basins.....(Const.) ●
- Old Wailuku Heights Sewer System.....(Dsgn.) ▲

★ Proposed Waikapu WWTF

● Wai/Kah WWTF R-1 Disposal

▲ Cesspool Conversion

WWRD FY23-FY28 CIP Projects (Cont.)

FY 2028

- Central Maui Regional WWRF (Waikapu).....(Const.) ★
- Wailuku-Kahului WWRF Upgrade to R-1.....(Const.) ●
- South Maui R-1 Distribution System Expansion (Wailea).....(Dsgn.)
- South Kihei Capacity Sewer Upgrades(Dsgn.)
- Wailuku-Kahului Soil Aquifer Treatment (SAT) Basins.....(Const.) ●
- Makawao Master Sewer Plan.....(Plng.) ▲
- Central Hana Sewer System.....(Plng.) ▲

★ Proposed Waikapu WWTF

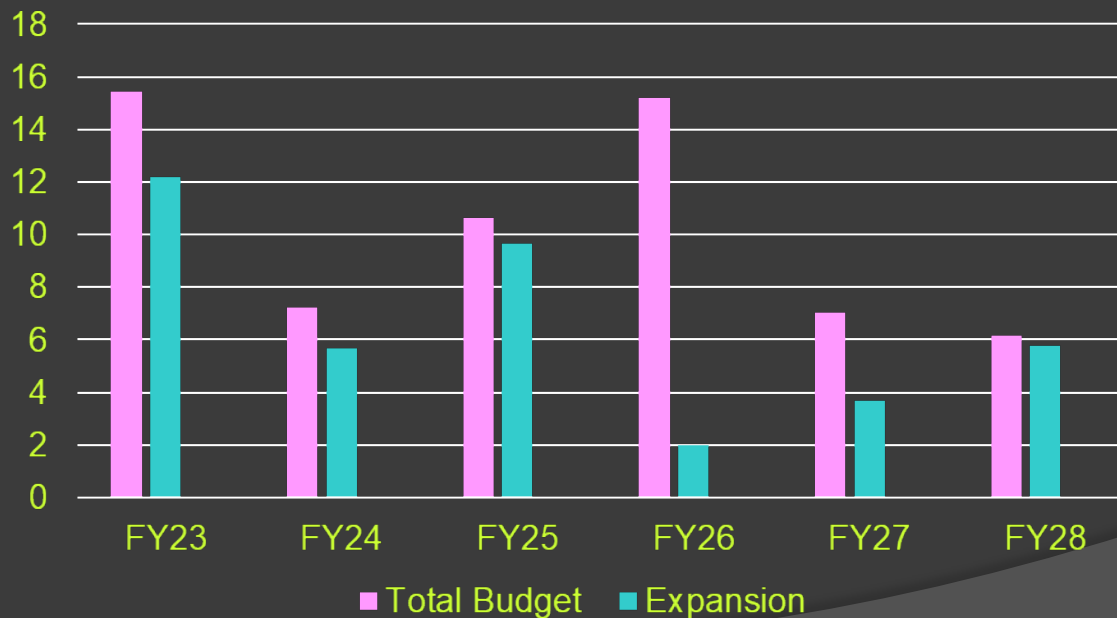
● Wai/Kah WWTF R-1 Disposal

▲ Cesspool Conversion

SWD FY23-FY28 CIP Projects

- Approx. 36.8% of total CIP budget are regulatory or maintenance related projects
- Approx. 63.2% of total CIP budget are expansion or new infrastructure related projects

SWD Expansion Projects by FY



SWD FY23-FY28 CIP Projects (Cont.)

FY 2023

- Central Maui Landfill Ph II/III Interface Development.....(Const.)
- Interim CoM Greenwaste and Biosolids Mgmnt.....(Const.) 
- CML Landfill Ph III-B Lateral Expansion.....(Const.)
- CML Land Purchase.....(Plng.)
- CML Operations Facilities.....(Plng.) 

FY 2024

- CML Ph II/III Interface Development.....(Const.)
- Interim CoM Greenwaste and Biosolids Mgmnt(Const.) 
- CML Land Purchase(Acqs.)
- CML Kalialinui Gulch Crossing.....(Plng.) 
- Molokai Landfill Master Plan.....(Plng.)

SWD FY23-FY28 CIP Projects (Cont.)

FY 2025

- CML Ph VI Property Acquisition.....(Acqs.)
- CML Kalialinui Gulch Crossing.....(Dsgn.) ◆
- CML Kalialinui Gulch Litter Screen(Dsgn.+Cons.) ◆
- Lanai Solid Waste Master Plan(Plng.)
- Hana Landfill Transfer Station PER.....(Plng.) ◆
- Hana Landfill Utilities PER(Plng.) ◆
- MLF Entrance Facility Improvements.....(Dsgn.+Cons.) ◆
- MLF Property Acquisition and Subdivision.....(Acqs.)
- Kalamaula Sea Level Rise Impacts.....(Plng.) ◆

FY 2026

- CML Parking Area Solar Panels.....(Dsgn.+Cons.) ◆
- Lanai Property Acquisition.....(Plng.)
- MLF Land Entitlements.....(Plng.)

◆ Landfill Operations

SWD FY23-FY28 CIP Projects (Cont.)

FY 2027

- CML Kalialinui Gulch Crossing.....(Const.) 
- LLF Land Entitlements.....(Plng.)
- Beneficial Uses of CoM Closed Landfills.....(Plng.)
- Kalamaula Sea Level Rise Impacts.....(Plng.) 

FY 2028

- CML Operations Facilities.....(Dsgn.) 
- CML Organics Management PER.....(Plng.) 
- MLF Phase VI.....(Dsgn.+Const.)
- Makani Beneficial Use Implementation.....(Plng.)
- Olowalu Beneficial Use Implementation.....(Plng.)
- Kalamaula Beneficial Use Implementation.....(Plng.)
- Waikapu Beneficial Use Implementation.....(Plng.)

Questions???

WAI Committee

From: Shayne Agawa <Shayne.Agawa@co.maui.hi.us>
Sent: Monday, March 20, 2023 12:44 PM
To: WAI Committee
Cc: Nadine Orikasa; Robert Schmidt
Subject: Updated DEM 6-yr. CIP Presentation
Attachments: FY2023 6-Year CIP WAI Committee Slideshow (DEM-Admin 3-20-23).pdf

Good Afternoon,

My apologies for getting this to you so late but there were a few changes made to DEM's presentation. The construction of the proposed Central Maui Regional WWRF has been pushed back from FY25 and FY26 to FY27 and FY28. The attached presentation reflects this change and only this change. All other CIP projects are the same as was shown in my previous presentation.

Feel free to contact me if you have any questions.

Thank you,
Shayne

Shayne R. Agawa, P.E.
Director

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