

COUNTY OF MAUI

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

FY23-FY28 6-YEAR CIP PROJECTS



Water and Infrastructure Committee
March 6, 2023

DEM Total Proposed CIP Budget by FY

FY2023 = \$75.5 M

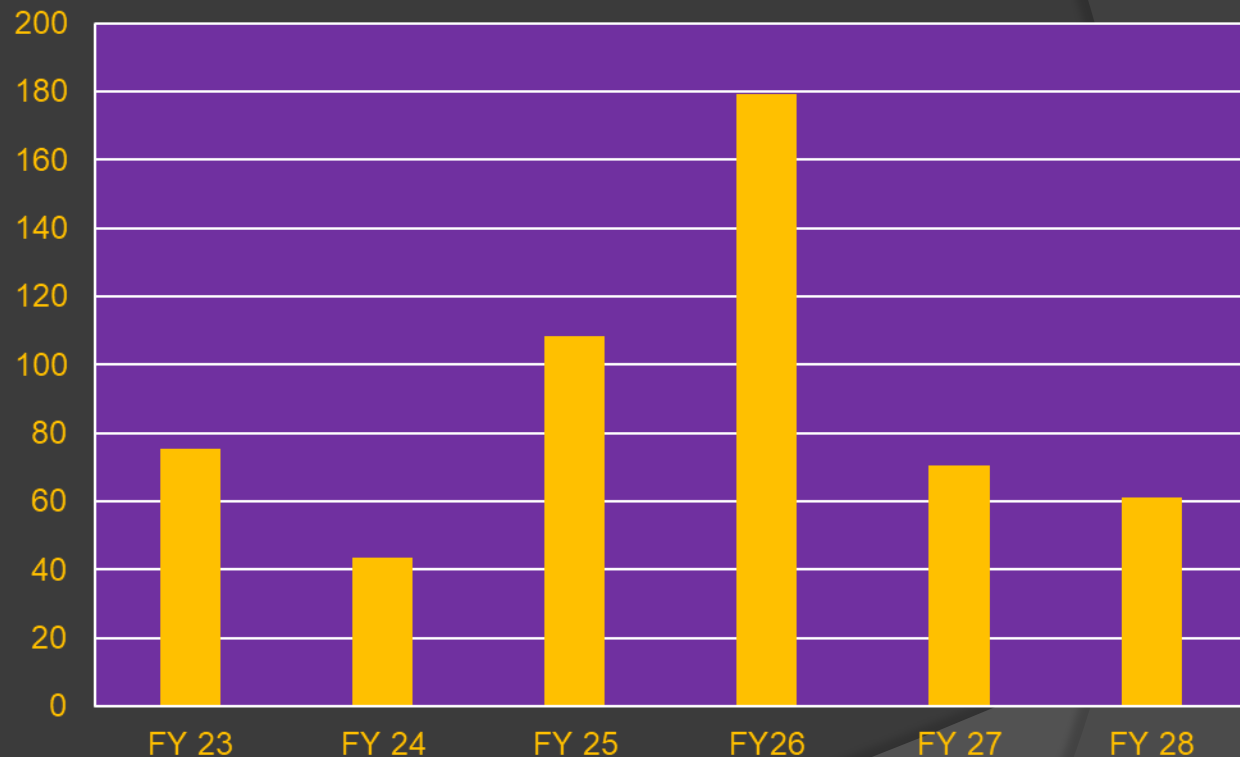
FY2024 = \$43.3 M

FY2025 = \$108.3 M

FY2026 = \$179.2 M

FY2027 = \$70.3 M

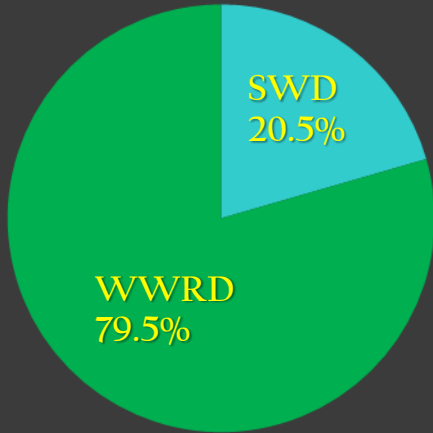
FY2028 = \$61.1 M



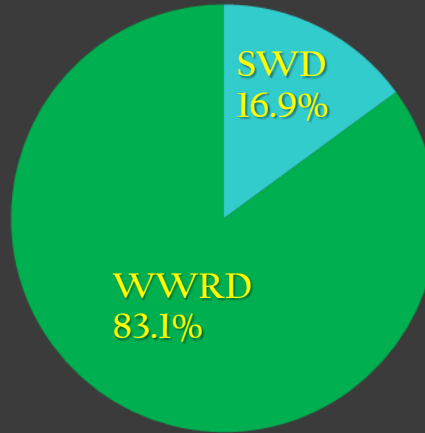
The projects listed along with budget amounts are only proposed and anticipated. Either or both may be changed due to various reasons.

FY23-FY28 CIP Budget by Division

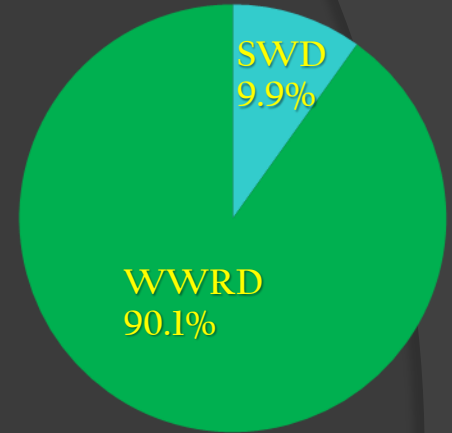
FY23



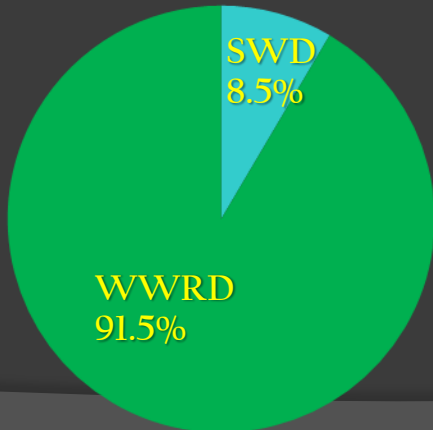
FY24



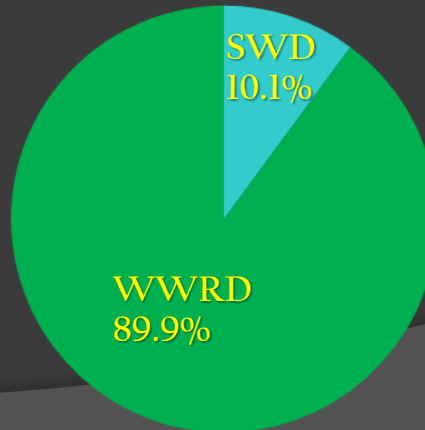
FY25



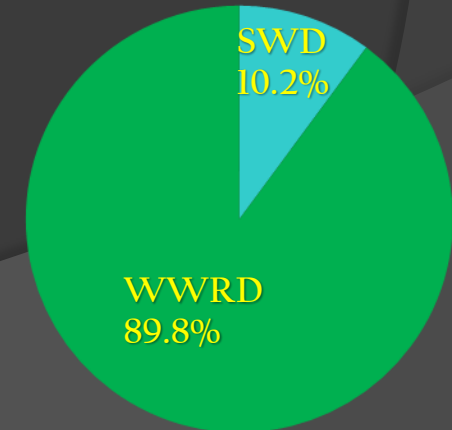
FY26



FY27

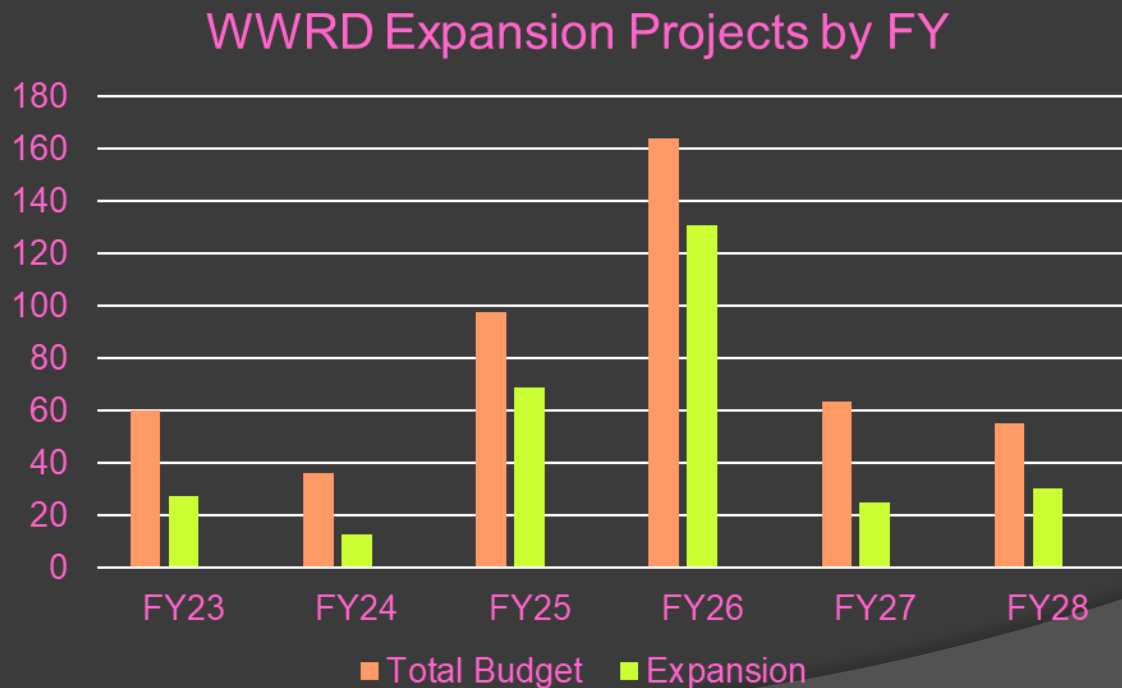


FY28



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 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.)
- Central Maui Regional WWRF (Waikapu).....(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

- Central Maui Regional WWRF (Waikapu).....(Const.)★
- 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

- 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

- 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

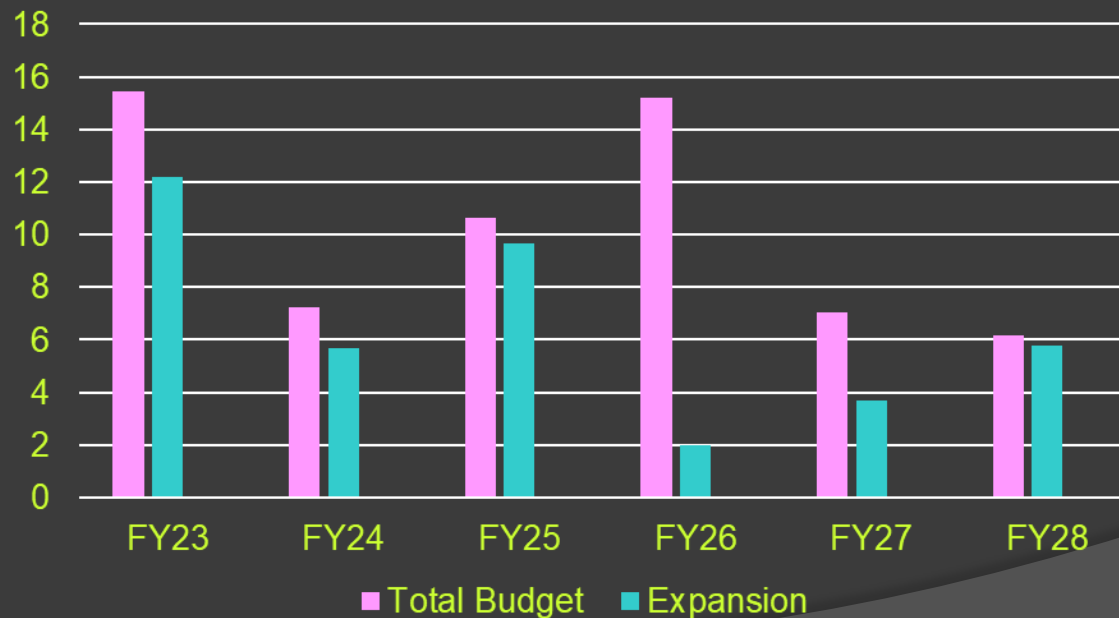
● Wai/Kah WWTF R-1 Disposal

▲ 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???