

WIT.Committee

From: Eva Blumenstein <Eva.Blumenstein@co.maui.hi.us>
Sent: Monday, May 18, 2020 8:12 AM
To: WIT.Committee
Cc: Jeff Pearson
Subject: WIT-25 presentation
Attachments: WIT 051820 Recap.pdf

Good morning,

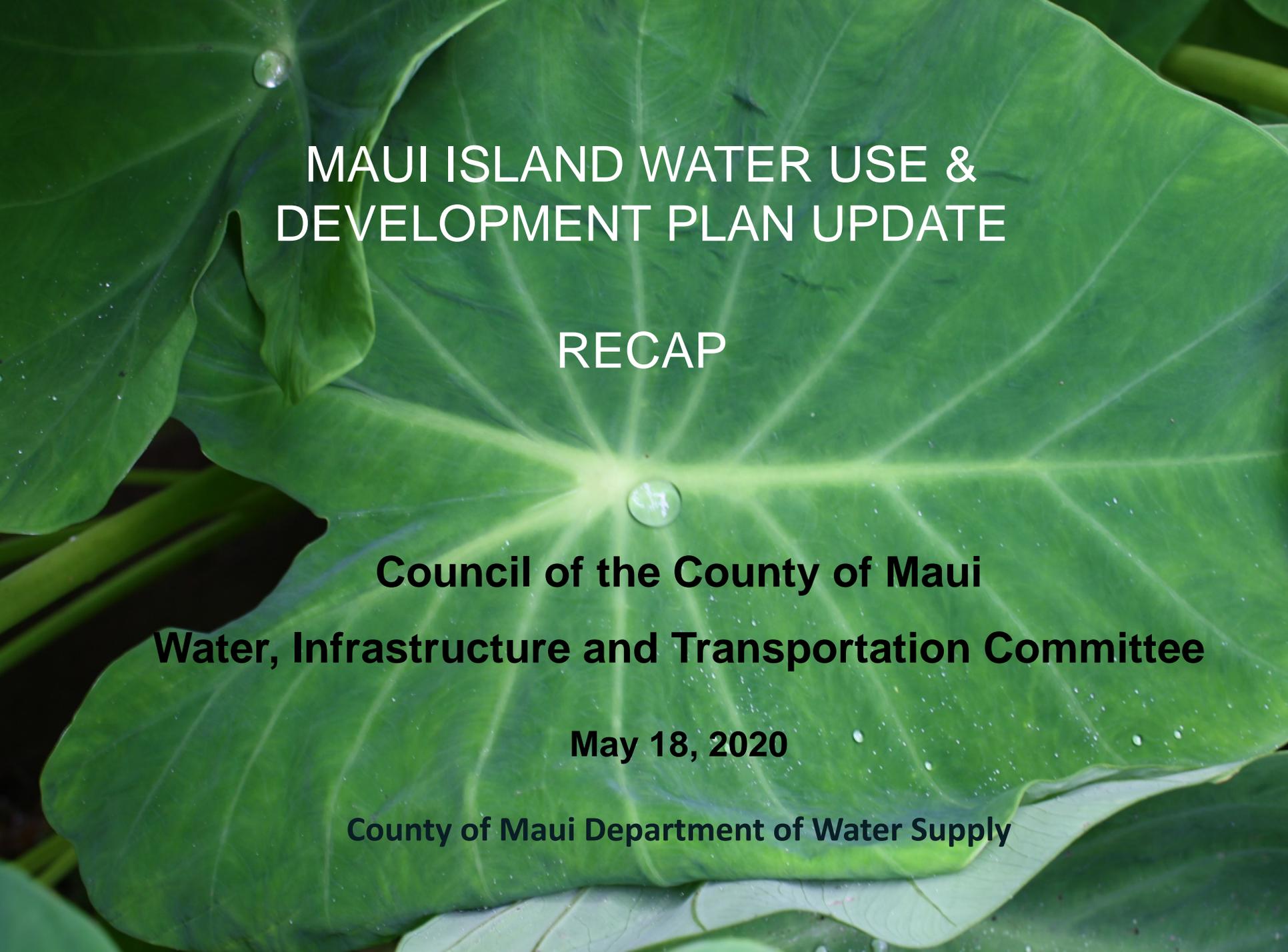
Please find attached presentation for WIT-25 for 5/18 agenda.

Thanks,

Eva

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MAUI ISLAND WATER USE & DEVELOPMENT PLAN UPDATE

RECAP

**Council of the County of Maui
Water, Infrastructure and Transportation Committee**

May 18, 2020

County of Maui Department of Water Supply

Plan Approval Process and Status

Lana`i - adopted 2011



Moloka`i ...2020

RECAP Chapters 1 - 16

Part I: Introduction and Technical Approach WAI 08/19/19

Part II: Water Resource Adequacy WAI 09/30/19

Island Wide Strategies & Recommendations

Part III: Regional Sector Reports

Chapter 14 Wailuku WAI 01/06/20

Chapter 15 – 16 Central and Ko`olau WIT 1/22/20

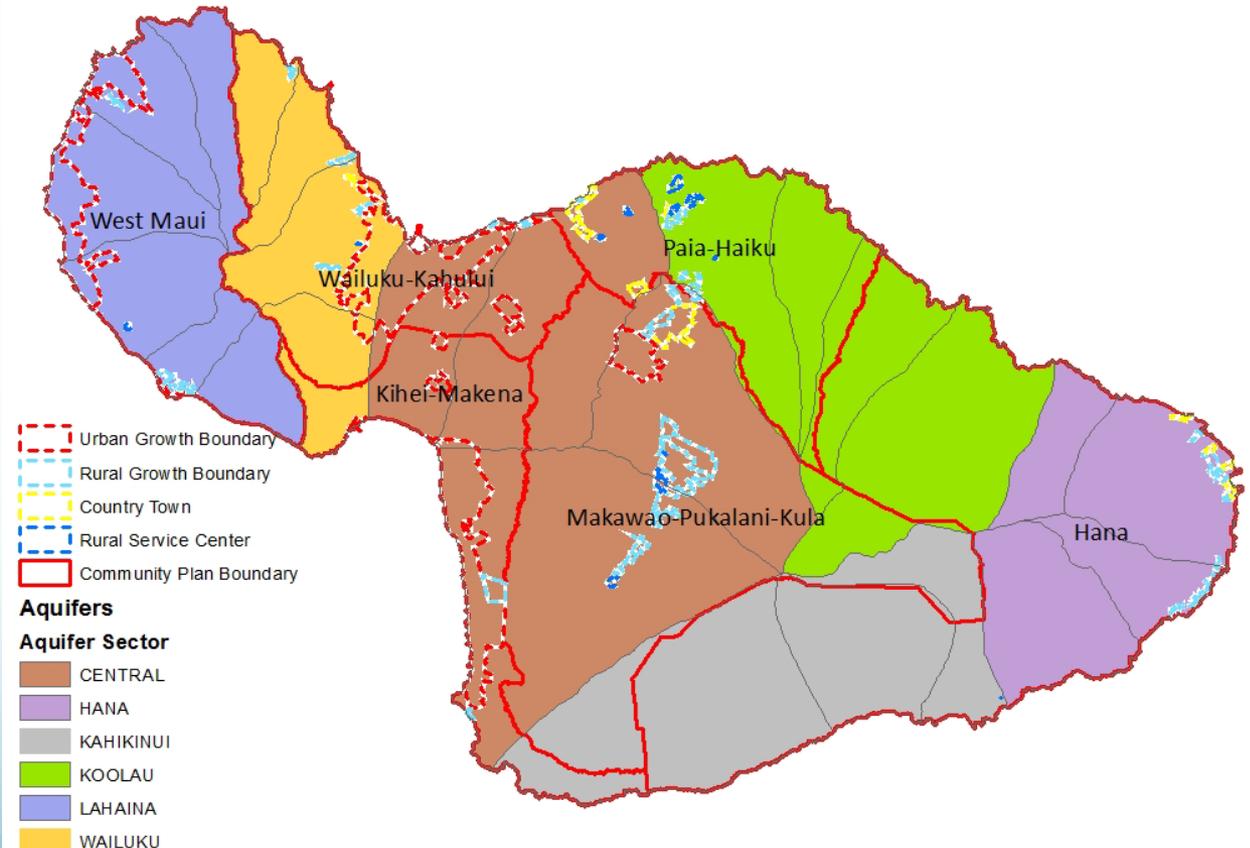
Chapter 17 – 18 Hana and Kahikinui WIT June?

Chapter 19 Lahaina

Guide and advise the Maui County Council and the State Commission on Water Resource Management in planning, management, development, use and allocation of the island's water resources

Part I: Approach and Methodology

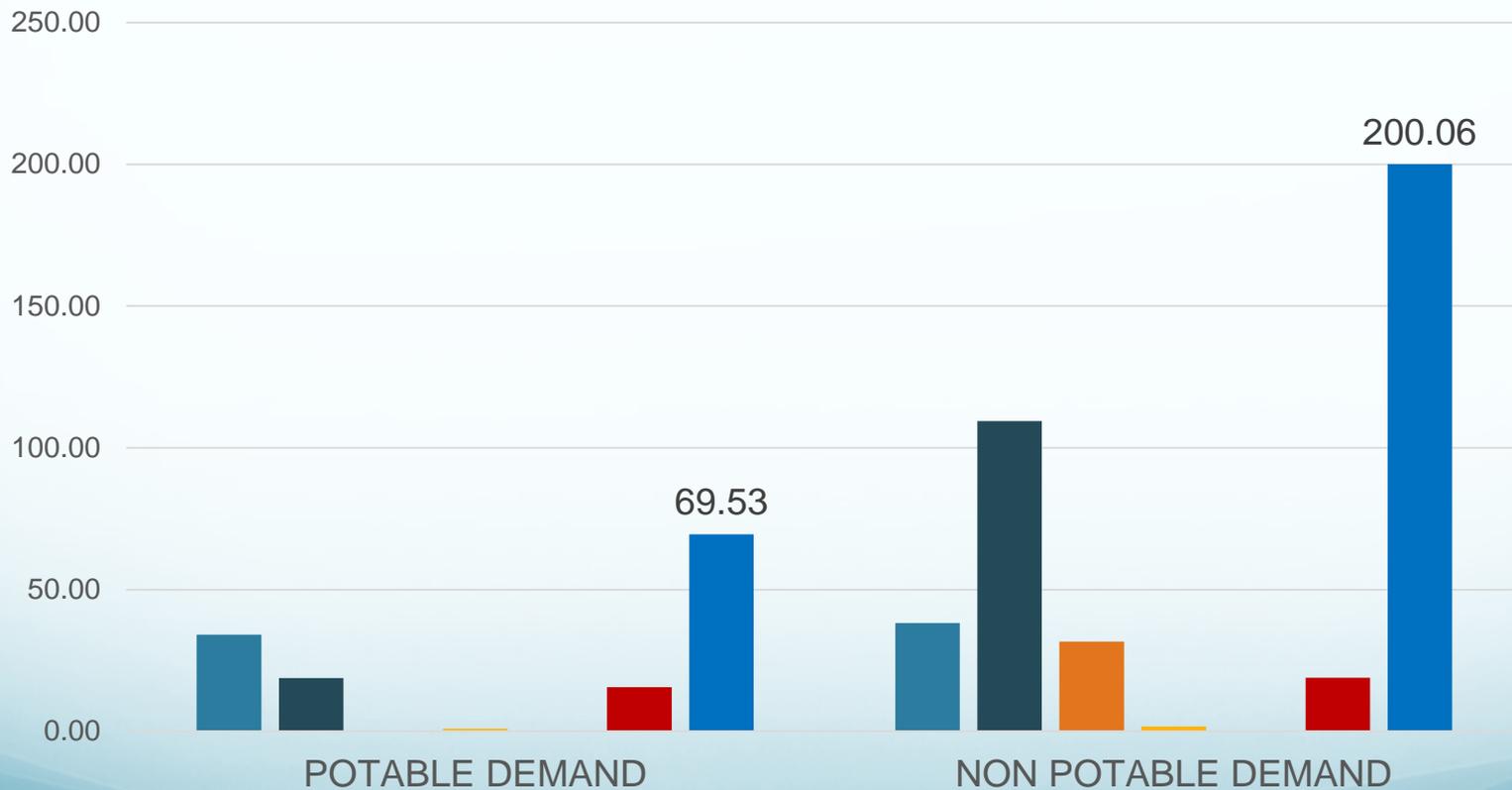
- Based on hydrologic units (Aquifer Sectors)
- 20 year water use projections based on population growth by community plan district
- Supports and integrates with Maui Island Plan and directed growth plan
- Allocates water resources to land use by identifying strategies and policies to meet demand associated with planned growth
- Applies to all water systems and users, potable and non potable water
- Informs the DWS capital improvement program



Part II: Water Resource Adequacy

Adequate long term resource supply to meet projected demand while maintaining watershed, stream and aquifer sustainability and replenishment

Projected Water Use 2035 Island wide, million gallons per day

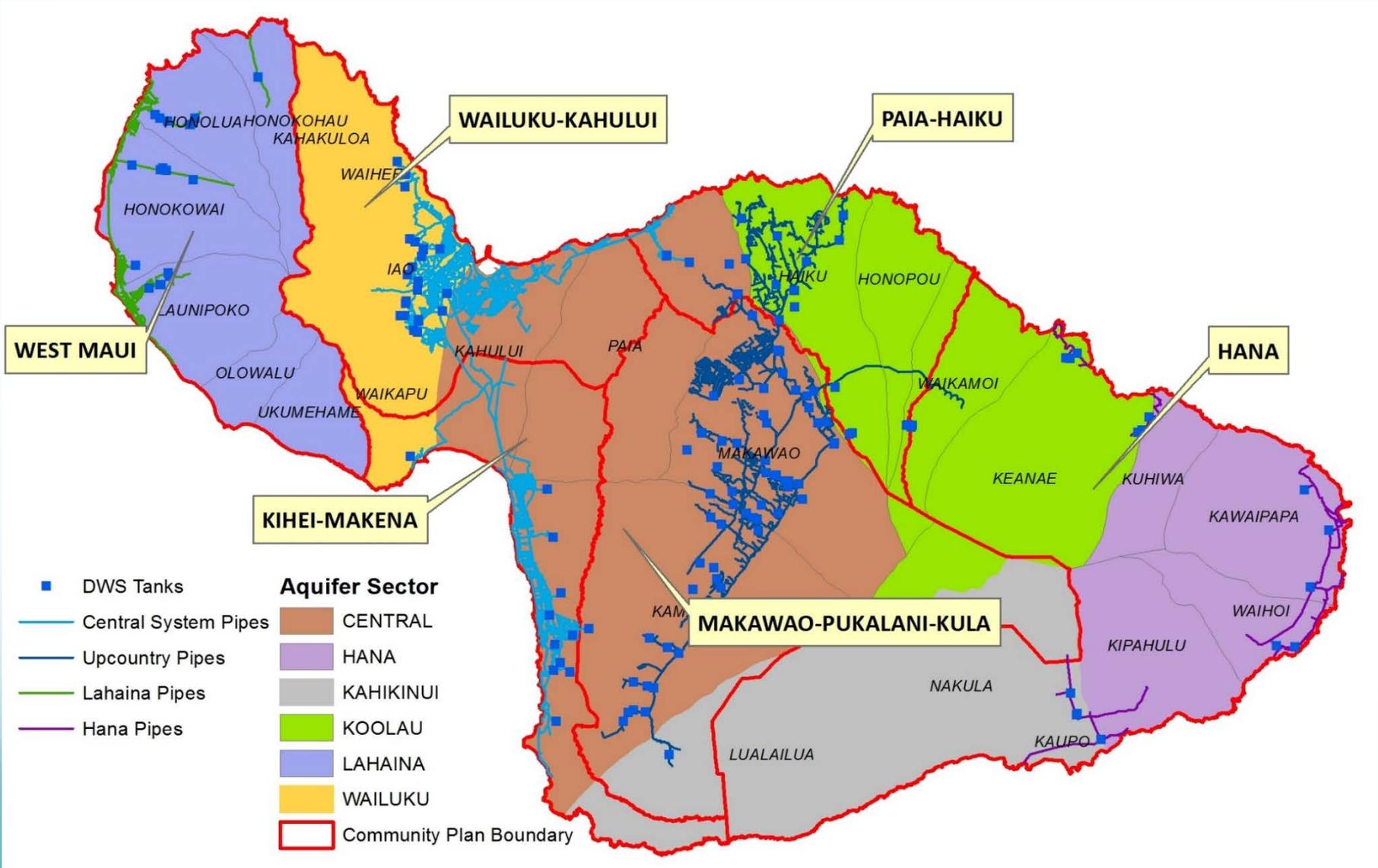


Part II: Island Wide Water Resource Strategies

- Issue
- Objectives
- General Plan Policies (Community Plan Policies)

Strategy		Implementation	
Planning Objectives	Estimated Cost	Agency	Time Frame 1: short term 1 – 5 years 2: long term 5 – 20 years
RESOURCE MANAGEMENT			
Conservation	Watershed Management	Water Quality Management	
CONVENTIONAL WATER SOURCE			
Groundwater Development		Surface Water Development	
ALTERNATIVE WATER SOURCE			
Recycled Wastewater	Stormwater Reuse	Rainfall Catchment and Ambient Rainfall	Desalination

Part III: Regional Plans



Major Changes and Constraints

March 2019 Draft: incorporated events that occurred until submittal to Board of Water Supply August 10, 2018

Na Wai 'Eha contested case

- Scenario used: Hearing officer's November 2017 recommendation
- Adjust when decision on IIFS and water use permits
- Affects strategy

East Maui contested case/HC&S Transition

- June 2018 IIFS incorporated
- HC&S diversified ag plan and alternative ag use scenarios evaluated
- Affects water use demand

West Maui – establishment of IIFS

- Available stream assessments incorporated
- WUDP process - consult with community on approach & scenarios
- Affects strategy

CWRM Water Resources Protection Plan Update – revisions to sustainable yield

- Anticipated revisions
- Does not affect strategies

Addendum: to incorporate changes to supply and demand due to events occurring September 2018 - March 2020.

Na Wai 'Eha contested case

- Adjust when decision on IIFS and water use permits
- Affects strategy

East Maui contested case/HC&S to Mahi Pono Transition

- Estimated irrigation demand for Mahi Pono 2019 projected crops
- Affects water use demand

West Maui – establishment of IIFS

- Ukumehame, Olowalu, Launiupoko, Kauaula, Kahoma and Kanaha streams IIFS incorporated
- Honokowai, Honolulu, and Honokohau stream assessments considered
- Affect strategy

CWRM Water Resources Protection Plan Update – revisions to sustainable yield

- Adopted revisions do not affect strategies