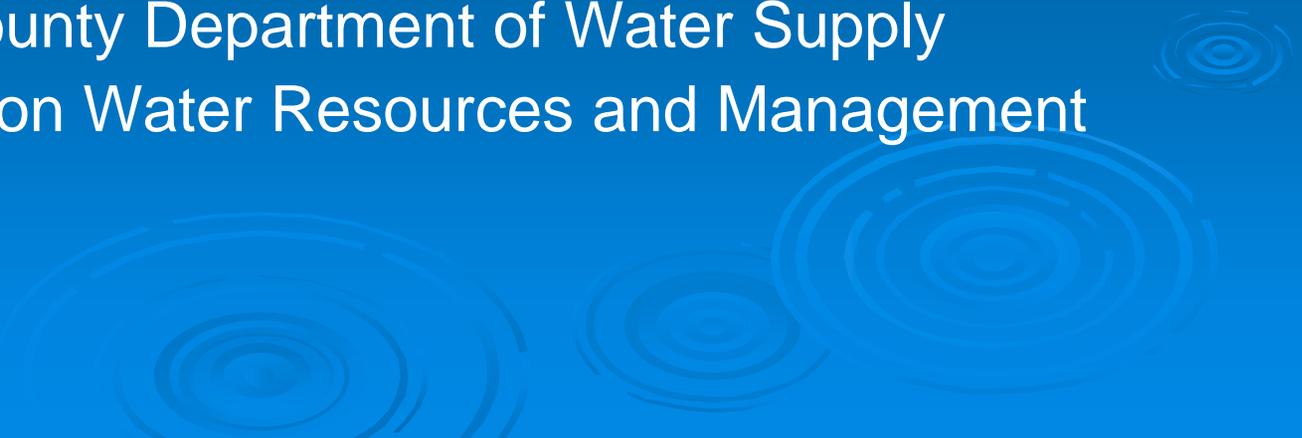


Maui Island Water Use and Development Plan: Revised Project Description

August 15, 2012

Maui County Department of Water Supply
Commission on Water Resources and Management

The bottom portion of the slide features a decorative graphic of several concentric, light blue circles that resemble ripples on water, set against the solid blue background.

Revised Project Description

- Only one WUDP for Maui Island, one for Molokai (not separate plans)
- Maui WUDP will include all water systems, and water users island wide
- Supporting document to Maui Island Plan

Maui Island Plan

- **Work started in 2004 County Ordinance (MCC 2.80 B)**
- **Expected adoption by the end of 2012**
- **Most extensive land use and population projection document completed so far**
- **Water resource issues in Maui Island Plan**
- **Provides direction, philosophies on growth**
- **WUDP will provide additional detail & clarity through technical analysis and approach**
- **WUDP is an objective, technical document supporting the precepts of the Maui Island Plan**

Technical Approach

- Synthesis and integration with Maui Island Plan
- Planning is not DWS centric
- County Departments collaboration & Partnerships to effectively and efficiently share data and resources.
- Integrated resource planning
- Extensive public process
- All previous work is not wasted

Stage I Identify Planning Objectives and Evaluation Criteria

Maui Island WUDP Work Plan																			
WUDP Element	Jan-12	Apr-12	Jun-12	Aug-12	Oct-12	Dec-12	Feb-13	Apr-13	Jun-13	Aug-13	Oct-13	Dec-13							
Stage I Planning objectives & evaluation criteria								DRAFT 1			DRAFT 2			DRAFT 3			FINAL DRAFT		
Research and review relevant planning documents																			
Solicit input from public/stakeholder (DHHL) and County meetings																			
Identify issues/planning objectives																			

- **Integrated Resource Planning**
- **Based upon outcome of Maui Island Plan – growth projections and urban growth boundaries**
- **Incorporate relevant objectives from State Land Use Plan, HI Water Plan, Maui Island Plan, Watershed Management Plans**
- **Identify water resource issues and objectives (for surface and ground waters)**

Stage II Identify Existing & Future Demand/Supply

WUDP Element	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14
Stage II Identify Existing & Future Demand/Supply											Draft 1																			
Compilation/analysis of existing Island wide water demand estimates (public & private water systems)																														
Analysis/evaluation of water resource adequacy																														
Data collection of surface/ground water resources for potable/nonpotable sources																														
Identification of potential impacts to water resources																														
Evaluation of the water infrastructure capabilities																														
Collection/analysis of data and studies related to future demand forecasts																														
Development of forecasts for public/private system water usage for water use categories																														
Identification & prioritization of surface and groundwater resource development options & alternative water sources																														
Identify/integrate water resource development strategies																														
Identify potential impacts of climate change on water resource supply and consumption demands																														
Develop and implement conservation and demand side management programs																														
Identify conceptual water system upgrades																														

- **Compilation of existing data**
- **Analysis of water resource adequacy**
- **Collection of SW/GW data**
- **Identification of potential impacts to water resources**
- **Evaluation of water infrastructure capabilities**
- **Analysis of studies related to future demand forecasts**

Stage III Identify and Prioritize Options & Strategies

WUDP Element	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	
Stage III Identify and Prioritize Options & Strategies											DRAFT 1						DRAFT 2					DRAFT 3					FINAL				
Identify planning objective conflicts																															
Analyze tradeoffs between competing planning objectives																															
Develop suitable strategies for a range of specified planning scenarios																															

- Identify planning objectives
conflicts
- Analyze tradeoffs
- Develop strategies for various planning scenarios

Stage IV Integrate State Documents from HI Water Plan

WUDP Element	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	
Stage IV Integrate State Documents from HI Water Plan											DRAFT 1																				
Incorporate updates from State Water Projects Plan (DHHL water plan findings)																															
Integrate Ag. WUDP, State Water Resources Plan, State Water Quality Plan																															
Review and incorporate consistency between Maui Island WUDP and appropriate state regulations, policies and plans (e.g. State Water Quality and Water Resource Plans)																															
Provide drafts to be reviewed by state counterparts to ensure consistency																															

- **Incorporate Ag Water Use Development Plan**
- **Incorporate State Water Projects Plan**
- **Consistency with Hawaii Water Quality Plan (Hawaii Water Plan Element)**
- **Consistency with Water Resource Protection Plan**
- **Consistency with State Water Code**

Stage V Draft Development & Agency/Public Review

WUDP Element	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	
Stage V Prepare Maui Island Water Use Development Plan document	DRAFT 1											DRAFT 2					DRAFT 3				FINAL										
DRAFT 1																															
DWS leadership																															
Maui Water Resources Committee																															
Maui County Board of Water Supply																															
Public Comment																															
CWRM Briefing																															
Edits/revisions																															
DRAFT 2																															
DWS leadership																															
Maui Water Resources Committee																															
Maui County Board of Water Supply																															
Public Comment																															
CWRM Briefing																															
Edits/revisions																															
DRAFT 3																															
DWS leadership																															
Maui Water Resources Committee																															
Maui County Board of Water Supply																															
Public Comment																															
CWRM Briefing																															
Edits/revisions																															
FINAL DRAFT																															
DWS leadership																															
Maui Water Resources Committee																															
Maui County Board of Water Supply																															
Public Comment																															
CWRM Briefing																															
Edits/revisions																															

- Draft completion and the staged approach
- Draft development & preparation for review
- Draft review
- Public process - timing

Public Process

- **Continuation of MIP public process**
- **Open public meetings held for all four phases, regional locations**
- **At their discretion, BWS meetings are open to the public**
- **At their discretion, Maui County Council Water Resources Committee**
- **No additional committee**
- **Open, facilitated discussion**
- **Drafts will be available on County web site, hard copies at all public libraries (8 total + 2 bookmobile)**

In sum...

- One document
- “Sister” document to Maui Island Plan
- Previous studies, data collection to be used
- Not DWS centric
- Continuation of extensive public process