

Item B3: Approval of the Project Description to Update to the Moloka'i Water Use and Development Plan



Presentation to the Commission on Water Resource Management
by CWRM Planning Branch
May 18, 2021



Outline

- State Water Code and the Hawaii Water Plan
- Required Elements of the Water Use and Development Plan
- Staff Recommendation

State Water Code and the Hawaii Water Plan

*There is a need for a **program of comprehensive water resources planning** to address the problems of supply and conservation of water. **The Hawaii water plan**, with such future amendments, supplements, and additions as may be necessary, is accepted as the guide for developing and implementing this policy.
(§174C-2(b) HRS)*

State Water Code and the Hawaii Water Plan

Balancing protection of water resources with the efficient use of water resources

- Water Resource Protection Plan (WRPP)
- Water Quality Plan (WQP)
- Agricultural Water Use and Development Plan (AWUDP)
- State Water Projects Plan (SWPP)
- **County Water Use and Development Plans (WUDP)**

THE WATER RESOURCE PROTECTION PLAN

Prepared by the
Commission on Water Resource Management



THE WATER QUALITY PLAN

Prepared by the
Hawaii Department of Health

WHAT IS THE QUALITY AND QUANTITY OF HAWAII'S FRESHWATER RESOURCES AND HOW DO WE PROTECT IT?

THE STATE WATER PROJECTS PLAN

Prepared by the
DLNR Engineering Division

THE AGRICULTURAL WATER USE AND DEVELOPMENT PLAN

Prepared by the
Hawaii Department of Agriculture

HOW MUCH WATER DO WE NEED FOR STATE FACILITIES SUCH AS SCHOOLS, HOSPITALS AND AGRICULTURE?

THE COUNTY WATER USE AND DEVELOPMENT PLANS

Prepared by the
County Water Departments

COUNTY LAND USE PLANS

Prepared by the
County Planning Departments

HOW WILL OUR LAND USE POLICIES IMPACT OUR FRESH WATER RESOURCES?



Requirements of the WUDP

Requirements from the State Water Code:

1. Prepared by each of the four counties and adopted by ordinance – **Task 5.3**
2. Consistent with County land use plans and policies – **Tasks 1.3, 1.4, 2.3, 3.1**
3. Sets forth the allocation of water to land use through the development of policies and strategies to guide the County in its planning, management, and development of water resources to meet projected demands – **Tasks 2.3, 3.1**
4. Periodic updates to maintain consistency with changing land use policies

Requirements of the WUDP

Requirements from the State Water Code:

5. Consistency with the other HWP components – **Tasks 1.3, 3.1**
6. Status of water and related land development including an inventory of existing water uses – **Tasks 1.3, 1.8, 3.1**
7. Future land uses and related water needs – **Tasks 1.2, 1.4, 1.5, 1.10, 2.1, 2.2**
8. Incorporation of the current and foreseeable development and use needs of the Department of Hawaiian Home Lands – **Tasks 1.3, 2.3**

Requirements of the WUDP

Requirements from the State Water Code:

9. Regional plans for water developments including recommended alternative plans, costs, and adequacy of plans – **Tasks 1.3, 2.2, 2.4, 3.1**
10. Status of water and related land development including an inventory of existing water uses – **Tasks 1.8, 3.1**
11. Consultation and careful evaluation of recommendations of concerned Federal, State, and County agencies - **Task 4.3**
12. A 20-year projection period for analysis purposes – **Tasks 1.2, 2.1, Item C**

Requirements of the WUDP

Guidance from the Statewide Framework for Updating the Hawaii Water Plan:

1. Submittal of a WUDP project description for review and approval by the Commission
2. Stakeholder and public involvement strategy – **Task 1.11**
3. Identification of water resource issues – **Tasks 1.4, 1.6, 1.7, 1.11**
4. Outline of the County's plan for establishing planning objectives and evaluation criteria – **Tasks 1.8, 2.3**

Requirements of the WUDP

Guidance from the Statewide Framework for Updating the Hawaii Water Plan:

5. A description of stakeholder participation – **Tasks 1.6, 1.7, 1.11**
6. Description of plans for identification of current and future demands within CWRM hydrologic units, conservation and demand-side management strategies, source development strategies and their potential impact on the resource – **Task 3.1, Task C.**
7. Schedule for updating the WUDP – **Task D.**

Requirements of the WUDP

Guidance from the Statewide Framework for Updating the Hawaii Water Plan:

8. Description of how HWP components will be integrated and used in updating the WUDP – **Tasks 2.3, 3.1**
9. Periodic milestone briefings to the Commission during update process – **Task 4.1**

Additional Recommendations

Additional recommended elements for inclusion in the WUDP:

- 1. Discussion of applicability and feasibility of meeting the requirements of Act 170, SLH 2016: “100% of nonpotable needs in County and State facilities to be met by reclaimed water by 2045”**
- 2. Utilization of conservation strategies as a source option**
- 3. Categorization of demand scenarios according to CWRM hydrologic units**
- 4. Acknowledgement of the connection of ground and surface water resources where known**
- 5. Incorporation of authorized planned use projections into the water demand analysis**

Staff Recommendation

Staff recommends that the Commission approve the County of Maui's project description for the update of the Molokai Water Use and Development Plan, with the inclusion of the following elements:

1. Discussion of applicability and feasibility of meeting the requirements of Act 170, SLH 2016;
2. Utilization of conservation strategies as a source option;
3. Categorization of demand scenarios according to CWRM hydrologic units;
4. Acknowledgement of the connection of ground and surface water resources where known; and
5. Incorporation of authorized planned use projections into the water demand analysis.

Thank you for your time



Commission on Water
Resource Management

<http://hawaii.gov/dlnr/cwrm/>