

Recommendation	Tasks	Topic #
Water Data Needs Sec 5.1	Standardize annual reporting for permitted diversions and make electronic	1
	Annually report registered water withdrawals to DEEP using an electronic format	1
	Proceed with legislation that allows certain parts of water supply plans to be made available to the public, and streamline the FOIA process	3
	Annually report daily transfers of water between reservoirs within reservoir systems to DEEP and DPH	2
	Annually report daily withdrawals at each source in small community water systems to DPH and/or DEEP	2
	Annually report weekly or monthly withdrawals in Non-Transient Non-Community water systems to DPH electronically	2
	Annually report weekly or monthly withdrawals in Transient Non-Community water systems to DPH electronically	2
	Establish a database of all groundwater wells in the state, public and private	27
	Implement a water quality testing and reporting program for private wells with automatic reporting to DPH and local health districts	27
	Implement a water volume monitoring or reporting program for private wells	27
Maintain state partnership programs with the USGS for flow and groundwater monitoring	33	
Land Use Practices and Protection Related to Water Sec 5.2.3.1	Reaffirm support for the protection of Class I and Class II lands, as well as watershed property protected for water supply	7
	Encourage the acquisition or protection of addition watershed lands	7
	Continue to carefully manage water company owned lands	7
	Strive for consistency with the recommendations of the State's Green Plan	17
	Avoid the construction of new sewer, gas, and oil pipelines through public water supply watersheds	7
	Review the State C&D Plan to ensure that the initiatives and recommendations of each are synchronized and/or complementary	17
	Help educate CT citizens about the benefits of Low-Impact Development	14
	Promote groundwater protection through land management programs, and extend best practices to protect private wells	13
	Encourage local governments to incorporate best management practices for water demand management, water efficiency, and water conservation into land-use decisions	14
	Examine barriers in state law while implementing local development tools	14
	Revise state building codes to insure wise water use in building design and development	15
Partner with many different agencies and groups to be successful in integrating land-use and water planning	14	
Water Quality and Quantity Management Sec 5.2.3.2	Evaluate effects to water quality associated with proposed water management solutions	9,11,12
	Define opportunities for projects that restore and enhance existing water quality conditions	9,11,12
	Define green-infrastructure approaches, and explore ways in which entities can use green infrastructure to address water quality	10
	Examine ways to design and operate supply projects to advance water quality protection and enhancement	
	Develop a library of reuse examples and the associated water quality issues for each type of reuse	24
	Determine whether stormwater is a viable additional source of non-potable supply to address out-of-stream needs	11
	Address nonpoint sources through ongoing management activities	12
	Identify risks of climate change as they relate to integrated water quality and quantity management	41
Explore how entities can most efficiently integrate the Clean Water Act and Safe Drinking Water Act requirements		

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	Continue to engage in creative, solution-oriented actions	
	Modify existing regulations, guidance, and policy documents for new types of wastewater reuse so that revisions will protect public health and the environment	24
	Continue investment in statewide monitoring that supports assessment of the quality and quantity integration goals and measures	
	Investigate the potential to develop water quality trading programs	
Water Conservation Sec 5.2.3.3	Develop an education and outreach strategy that includes water conservation topics	14
	Work with stakeholders to explore means of reducing outdoor water use	15
	Identify opportunities for improvement of existing conservation program implementation in water conservation plans	15
	Adopt policies stating that water providers may conduct water-resource planning geared toward implementing water conservation best practices for all customer classes	15
	Document expected passive conservation savings and track over time	15
	Evaluate the funding, technical support, and training necessary to assist water providers in improving the management of their water systems	15,31
	Work with stakeholders to explore possibilities for tax-credit programs or other incentives for reducing outdoor water use	15
	Provide training that supports local regulatory efforts that shape the ways in which water utilities respond to droughts	16
	Determine which state agencies govern green infrastructure and green-building, identify barriers, and adapt regulations to allow for graywater, green infrastructure, on-site water recycling, etc.	10
	Collaborate with landscape-related businesses to implement water efficient landscape installations and maintenance	15
	Strengthen partnerships to reach water conservation goals	15
Consistency with Existing State Plans Sec 5.2.3.4	The recommendations in this plan should be incorporated into other state plans as they are finalized or when they are updated	17
	Intersecting recommendations from the State Water Plan and the WUCC plans should be cross-checked for consistency	17
	The State Water Plan should incorporate elements of the six Growth Management Principles of the State C&D Plan	17
	Consider revisiting some of the principles in the previous State C&D Plan, and coordinate between the State Water Plan and where applicable, the next edition of the State C&D Plan	17
	Consider these four objectives of the Economic Development Strategy: (1) Grow the business clusters that drive CT's economy and encourage entrepreneurial development, (2) ensure a workforce that meets the needs of the future, (3) create livable, vibrant communities, and (4) invest in infrastructure and support systems that will foster business growth	17
	The Green Plan objectives should be incorporated in the State Water Plan	17
	The Climate Change Preparedness Plan includes numerous strategies and recommendations related to water which should be considered in the State Water Plan	17
	The State Water Plan should contribute strategies or actions related to flooding and droughts to the Natural Hazard Mitigation Plan that is scheduled for an update in 2017-2018	17
	Some of the energy strategy recommendations in the Comprehensive Energy Strategy should be incorporated into the State Water Plan	17
	The State Water Plan should contribute recommendations or policy to the Blue Plan	17

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	Some recreational recommendations of the Comprehensive Outdoor Recreation Plan should be incorporated into the State Water Plan to the extent that they involve water management	17
	The State Water Plan should contribute recommendations to the Sustainable CT Plan	17
	Drought Plan recommendations should be included in the State Water Plan	16
	State Water Plan data and recommendations should be considered in updates to the DOT Strategic Long-Range Transportation Plan	17
	The WPC should have an advisory or review role in many of the plans listed above	17
Monitoring for Plan Implementation Sec 5.2.3.5	Develop a method of assessing future decisions in the context of the Plan, its goals/requirements, and its recommendations	
	Develop a method to monitor and report on the implementation of the Plan’s recommendations to ensure full compliance with the 17 requirements of the statute	
	Update the Plan every 5 years and advise the state legislature at least two years in advance of planned updates	
	Explore the benefits and risks of various funding mechanisms as experienced by other states and make appropriate recommendations to the legislature	
	Redefine the WPC’s responsibility/authority to oversee the implementation of the Plan, direct future periodic revisions, and secure funding for associated activities	
	Establish or designate a standing advisory committee to assist the WPC with Plan implementation	
	Review, assess and as necessary, redefine the role of the WPCAG	
Agricultural Practices Sec 5.2.3.6	Evaluate the impacts to water quality associated with proposed water management solutions	6
	Quantify water use by various agriculture activities to determine the current demand and use of water by differing crops, livestock, nurseries, etc.	6
	Promote water policies that encourage and reward innovations that produce the most “crop per drop”	6
	Identify innovative solutions through partnerships	6
Obsolete Registered Water Diversions Sec 5.2.3.7	Identify whether a diversion registration quantity is obsolete in whole, and if so, removing it from the record	18
Outreach, Education, and Public Engagement Sec 5.2.3.9	Create a new outreach, education, and public engagement framework that align with CT Water Plan goals	14
	Create a data-based water education plan to reach key constituencies that may not be active in the Plan development process	14
Regionalization Sec 5.2.3.10	There should be outreach to municipal governments when utility water supply plans are being prepared	14
	The state should encourage, support, and/or incentivize inter-municipal negotiations on water sharing	14,26
	Only Class A waters continue to be used for human consumption, and Class B waters remain available only for non-potable uses	23

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Class B Water for Non-Potable Use 5.2.3.11	Current and future non-potable uses of water be reviewed by individual users to determine if Class B water could be an environmentally prudent and cost-effective alternative to higher quality water	23
	Provide guidelines for review of Class B water for non-potable uses	23
	If there are regulatory requirements that inhibit non-potable uses of Class B waters, the WPC should explore whether these regulations should be changed or clarity can be defined	23
Data Availability, Accessibility and Accuracy Sec 5.2.3.12	Ongoing environmental monitoring activities related to water and/or land use should be tracked and coordinated at the state level	5
	Establish a single database or portal that will serve as a repository for ongoing and future water and environmental monitoring data	5
	Calculations on effects of Streamflow Regulations should be incorporated into implementation decisions for the Plan	20
	Information on all new well completion reports should be entered into a database to be maintained by the Department of Consumer Protection and/or another agency	2
	The Plan supports the finalization and distribution of the reporting form required by PA 04-185	1
	The Plan recommends a reasonable policy that results in phased-in requirements for reporting withdrawals from Community water systems	2
	Promote reasonably accurate estimation of surface water transfers	2
Coordination with WUCCs 5.2.3.13	Consistency between the Plan and the Coordinated Water System Plans	17
	Develop a method to resolve conflicts between the Plan and the Coordinated Water System Plans	17
	Issues, needs, and deficiencies identified in the final water supply assessment reports that are germane to the Plan should be considered	17
	Upon completion of the draft SWP, its findings and recommendations should be considered in the Integrated Reports	17
	The WUCCs may become vehicles for implementation of some SWP recommendations	17
Water Conservation (Pathway Forward) Sec 5.3.2.1	Identify conservation incentives that have been successful in Northeast U.S.	15
	Identify case studies in CT, including possible pilot cases	15
	Address residential and non-residential conservation to ensure they are fair and balanced	15
	Estimate passive conservation savings potential, and explore ways to accelerate with incentives	15
	Monitor water use for plan update	1,2,15
	Study ongoing efforts of billing frequency and the associated administrative efforts and costs, and whether the month-to-month comparison incentivizes customers to monitor water use	15
	Study and report on the role of the municipalities and regional/local entities	15
Regionalization/ Interconnections Sec 5.3.2.2	Commission the documentation of several case studies on regional water planning	26
	Commission a white paper assessment of the advantages and disadvantages of having so many separate water supply systems in the state	26
	Evaluate historical and potential reasons for completion of regionalization	26
	Develop guidelines to determine the benefits of interconnections	26

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	Coordinate with existing informational sources for infrastructure capacities	26,28
Registered Water Diversions Sec 5.3.2.3	Define parameters for when an impairment is occurring	19
	Define the extent of the problem – where are registered diversions causing adverse environmental impacts now?	19
	Build off of DEEP’s photo-documentation project	19
	Conduct desktop screening analysis of registered diversions to determine degree and likelihood of significant flow impairments	19
	Enlist registered diverters with high likelihood of impairment to document whether their withdrawals are causing impairments or not	19
	Assess where the use of unused allocations within registered diversions could cause adverse environmental impacts through continuation of DEEP’s analysis	19
	Case studies on environmental impacts	19
	Monitor to enable prediction of future issues	19
	Assess potential funding mechanisms for technical assistance, operational improvements, and/or capital improvements to address impacts while meeting out of stream water needs	19
Aging Infrastructure Sec 5.3.2.4	Define the problem related to water quantity and quality	31
	Consider studies where unaccounted for water is used as a tool to compare against age of infrastructure	31
	Evaluate and incorporate the needs survey as a 20-year study	31
	Utility asset management plans	31
	Update the report on aging infrastructure that the WPCAG previously completed	31
	Add section on CWSRF and DWSRF Needs Survey information	31
	Evaluate the CWSRF and DWSRF Needs Survey results as an information source for multiple types of infrastructure	31
Economic Impacts Sec 5.3.2.5	Conduct an overarching evaluation to determine cost of implementing the Plan and its recommendations vs. the costs of NOT implementing the Plan	30
	Determine whether there is a consistent way to monetize the value of water	30
	Consider a “Lessons Learned” Case Study and how water related to economic competitiveness for business and residential population growth	30
	Consider cataloguing information which could support economic growth more readily than others	30
Funding for Implementation Sec 5.3.2.6	Create a list of recommended policies and projects	29
	Identify agencies, departments, and committees that should be responsible for administration and/or execution of recommendations	29
	Determine cost estimates for recommended projects, studies, agency staffing, etc.	29
	Identify possible funding paradigms based on other states	29
Future Class B Water for Non-Potable Uses Sec 5.3.2.7	Review current non-potable uses of water by individual types of users to determine if use of Class B water could be an environmentally prudent and cost-effective alternative for other users and/or other types of users	23
	Develop Case Studies of the existing users of non-potable water to compare and consider future uses	23
Statewide	Identify priorities for action items	16

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Drought Planning Sec 5.3.2.8	Approve the State Drought Plan	16
	Develop a template for interpreting statewide drought indices to local risk levels and response measures	16
	Provide training that supports local regulatory efforts to enforce water conservation measures	16
	Study the benefits and costs of implementation of drought period surcharges to encourage conservation during drought trigger stages	16
Wastewater and Water Reuse Sec 5.3.2.9	Report on UCONN reuse experience	24
	Compare assimilative flow needs to ecological flow needs	24
Water Use Accounting Sec 5.3.2.10	Obtain data related to usage by registered diversions	1
	Obtain data related to usage by water users that do not use more than 50,000 gpd or do not serve more than 1,000 people	1,36
	Determine a method for estimating and updating private water usage	2
	Obtain data related to unaccounted for water usage	2
	Consider recommending methods to facilitate reporting of small water system usage	2
	Identify a state agency to conduct estimation of private water usage for planning purposes	1,36
	Request large public water systems to track unaccounted for water use on an annual basis	2
	Consolidate disparate water usage data information from each agency into a single report	5
Instream Flow: Ecological Flows and Stream Flow Standards and Regulations Sec 5.3.2.11	Impacts of minimum stream flow regulations on safe yield and margin of safety should be incorporated into implementation decisions of the Plan	20
	Assess the effects of regulatory reservoir releases in accordance with the “triple bottom line” approach	20
	Better understand the actual water needs of the ecosystem and the potential flexibility in the ecological flow targets	20
	Estimate the amount of basin-wide ecological flow that occurs in headwater streams to better understand the potential impacts on these sensitive areas as well as considerations for future water supply	20
Private Wells Sec 5.3.2.14	Use GIS-based tools to refine figures on private well data	2
	Information on drillers’ logs should be entered into a database to be maintained by the Department of Consumer Protection and/or another agency	2,27
	Previous attempts to catalog private well records should be obtained and used as a starting point or example	2,27
	A statewide pilot program could be tested initially to gauge methods of gathering existing water quality data that are already collected in connection with real estate transactions and other existing testing program	2,07
Near Term Goals Sec 6.8.2	Prioritize topics and tasks for initial implementation	
	Hire a Water Plan Chief	32
	Begin outreach program	14
	Identify basins for simulation modeling	21
	Partner with existing watershed associations and/or establish volunteer River Basin Commissions	22
	Formulate plans for centralized data portal	5
	Seek funding	29

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	Review the Plan recommendations to determine if and when to propose specific legislation	
5-Year Goals Sec 6.8.3	Study Climate change further and with more specificity	41
Additional Topics for WPC Discussion Sec 6.8.6	Water as a public trust	34
	Discussions on large water uses, including water bottling	35
	Health equity and health equity initiatives	36
	Environmental equity	37
	Harmonizing energy priorities with the stewardship of water	39
	Transparency and local involvement in decisions on how water is used and where it can be transferred	36
	Emerging and re-emerging contaminants	40
	Stormwater management	11
	Green infrastructure and low-impact development, specifically how these can be incentivized	9,10
	Dam removal	42
	Biosolids and other wastewater related topics	24
	Water quality in Long Island Sound	43
	Decentralized sewage systems	25
	climate change, specifically inland flooding potential (not covered by coastal studies), and impacts on future drought risks	41
	Additional work on agricultural and industrial water needs, uses, and practices	6