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70 School Street, Brockton, MA 02301

www.oldcolonyplanning.org

Regional Water Plan Steering Committee Meeting MINUTES OF THE MEETING Wednesday, July 31, 2024, 9:00am

Location:

Old Colony Planning Council, 70 School St, Brockton, MA 02301

Attendees:

Steering Committee		
Organization	Name	
Town of Abington	Liz Shea	
Town of Avon	Jonathan Beder	
Town of Bridgewater	Shane O'Brien	
East Bridgewater	John Haines	
Easton Department of Public Works	Greg Swan	
Town of Kingston	Val Massard (via Zoom)	
MA Department of Conservation and Recreation	Jason Duff	
MassDEP	Duane LeVangie	
MassDEP	Jon Hobill (via Zoom)	
Pembroke Water Department	Dan Sullivan	
OCPC	Joanne Zygmunt	
Town of Plympton	Gavin Murphy (via Zoom)	
Town of Plympton	Brian Vasa	
Town of Plymouth	Kendra Martin	
Watershed Associations	Pine duBois	
Watershed Associations	Jimmy Powell (via Zoom)	
Town of West Bridgewater	Wayne Parks	
Whitman	Davis Lemay	

Observers	
Organization	Name
OCPC	George
Cape Cod Cranberry Growers' Association	Brian Wick
EPA	Margherita Prior
MA Division of Marine Fisheries	John Sheppard
Jones River Landing and Historical Society	Mark Guidoboni

Consultants	
Organization	Name
CDM Smith	Grace Houghton
CDM Smith	Kirk Westphal
CDM Smith	Amara Regehr
CDM Smith	Grace Inman
CDM Smith	Kara Rozycki (via Zoom)

Minutes:

- 1) Call to Order, introductions
- 2) Public Comment none
- 3) Demand Projections Review
 - a) Refresher on CDM Smith Demand Projection and Efficiency Standards
 - i) A reminder was provided that climate projections are used in analysis and monthly ranges will be provided to communities in community specific demand memorandums.
 - ii) A reminder was provided that demand decreases over time are not due to active conservation but passive conservation due to changes in state regulation.
- 4) Long Term Local and Regional Alternatives (see handout)
 - i) MWRA water
 - (1) Concern about feasibility for MWRA to service all OCPC communities (i.e West Bridgewater) but worthwhile keeping as an alternative.
 - ii) Water from Aquaria Desalination Plant
 - (1) Discussion of the challenges of operating a desalination plant such as discharge limits and limited pumping during some periods due to fish migration.
 - (2) Meeting participant brought up that Brockton purchasing the plant might be the most cost-effective option because they have higher principal forgiveness.
 - (3) New suggestions included building a new desalination plant or having the State or County purchases existing plant.

- (4) Mayor Robert Sullivan of Brockton stopped by the meeting with DPW Commissioner Pat Hill to discuss Brockton's position. Brockton currently does not know what future will be of the Aquaria Desalination Plant but is open and willing to work with all neighboring communities and MassDEP to find the best path forward. Mayor Sullivan mentioned that the previous Mayor had begun negotiations for the City to purchase the plant, but price was raised and discussions stopped.
- iii) Interconnections and Inter-Municipal Agreements (IMA)
 - (1) Meeting participant brought up recommendation that the final report could include or recommend standardized language for IMA contracts.
- b) Develop a Regional Plan for Stormwater Recharge
 - i) Consensus that that stormwater issues were better handled on a local level and not through a regional master plan.
- c) Identification and Removal of Migratory Obstacles
- d) New Wells
 - i) All towns except for Plympton and Whitman should be included in this alternative.
 - ii) Question on whether this alternative should distinguish between new wells and replacement wells?
- e) Access to Clean Water for Private Well Owners through connection to Public Water Supply
 - i) Discussion on increasing number of residents connecting to public supply as private wells become contaminated.
 - ii) Question on whether the cost of individual PFAS filters would be greater than the cost of connecting to public supply?
- 5) Short Term Local and Regional Alternatives
 - a) Local Demand Management Alternatives were inspired by recommendations from Alliance for Water Efficiency.
 - i) Discussion of customer-side leak detection devices, resources, and education.
 - ii) MA grant to help fund rate studies: <u>https://www.mass.gov/info-details/water-management-act-grant-programs-for-public-water-suppliers#statewide-water-management-act-grant-</u>
 - b) Regional Demand Management Alternatives
 - i) Discussion of adding bylaws or workforce education to encourage native landscaping.
 - ii) Private well use restrictions fall under Board of Health jurisdictions.
 - c) Supply Management Alternatives
 - i) Plymouth and Hanson asked to be added to new public wells short-term alternative.

- d) Environmental Alternatives (see handout)
- 6) Public Outreach Update
 - a) Environmental Roundtable in the afternoon 7/31/2024

Action Items:

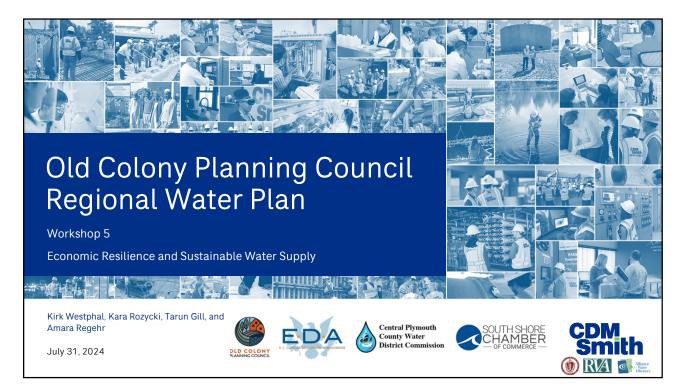
Assigned to	Action Item
Steering Committee members	Complete weighting worksheet on behalf of your community/organization
CDM Smith	Provide communities with demand Projections and Capacity Memo (by municipality)
CDM Smith	Update the list of alternatives to reflect discussion from this workshop

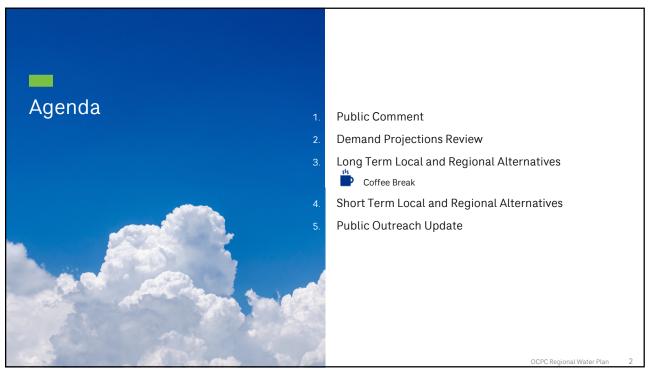
Attachments:

- 1. Meeting Presentation Slides
- 2. Meeting Handouts

Prepared by CDM Smith.

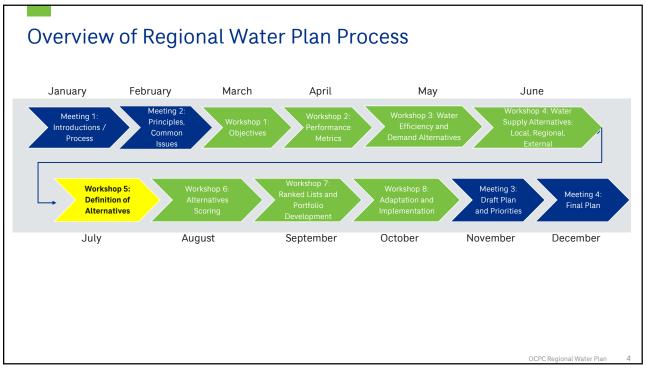








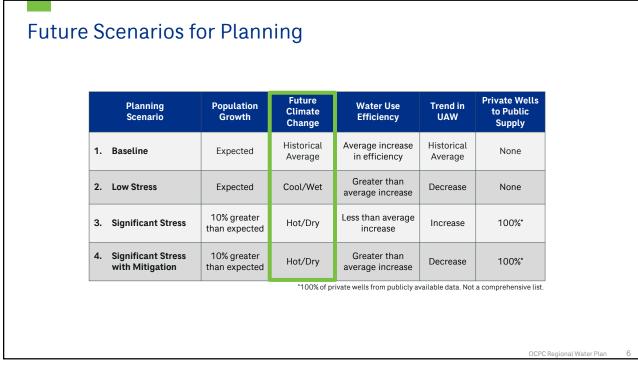


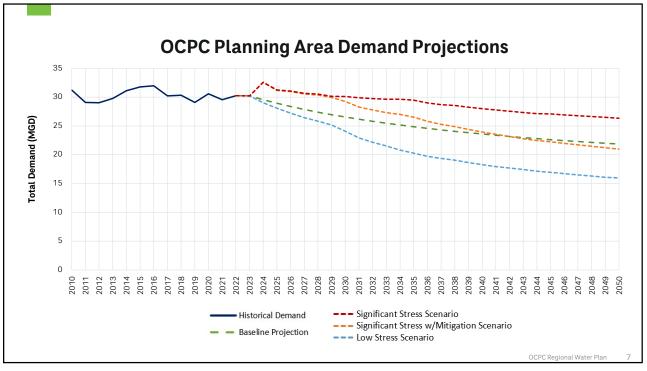


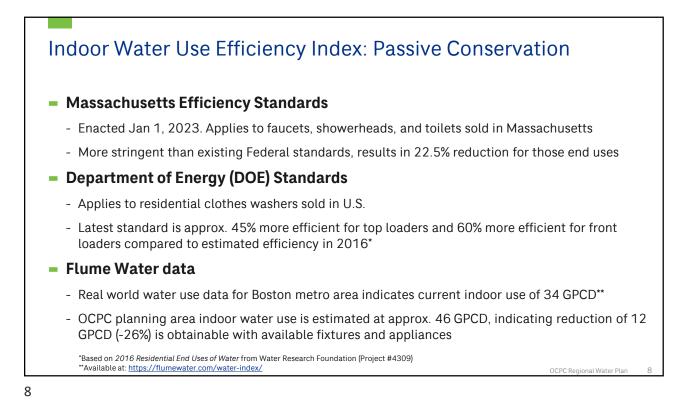


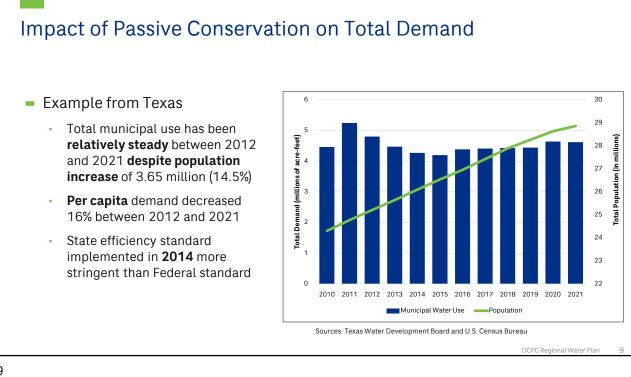




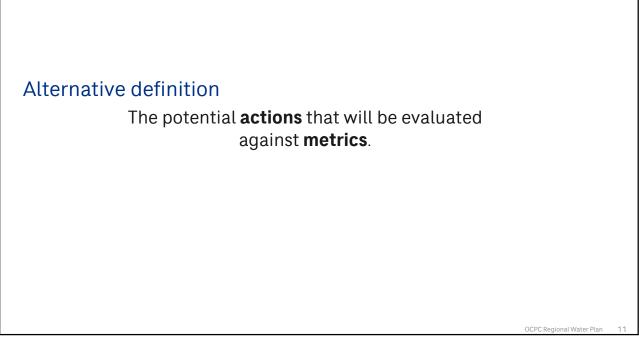


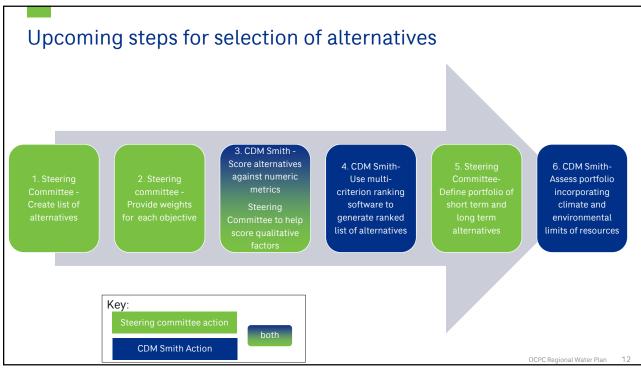


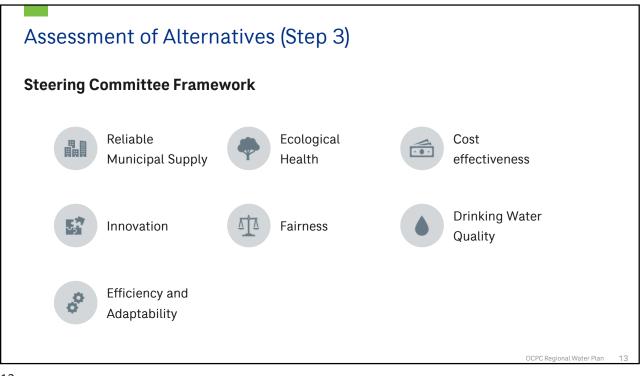


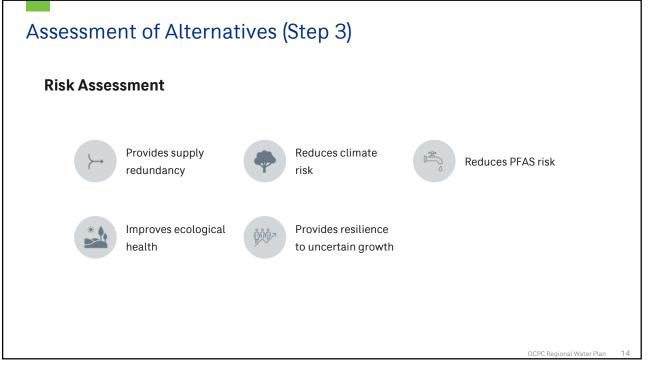




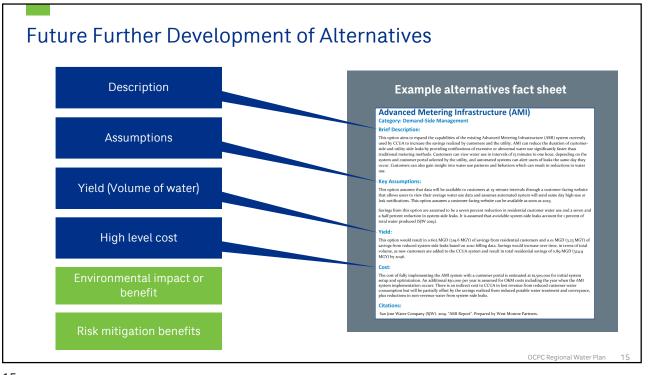


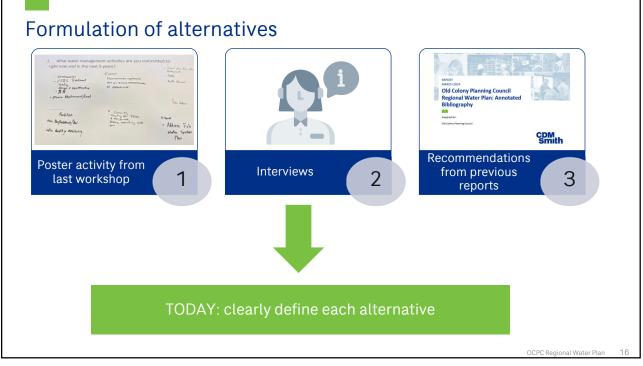


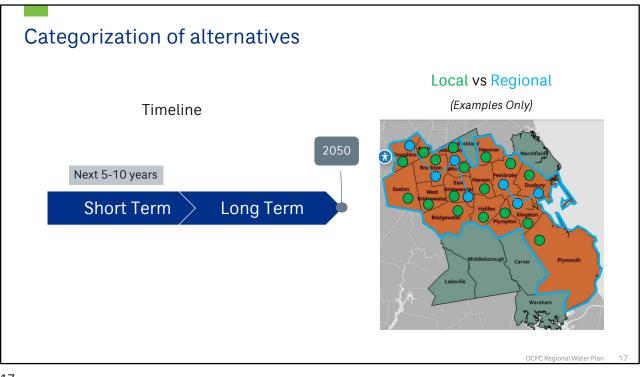


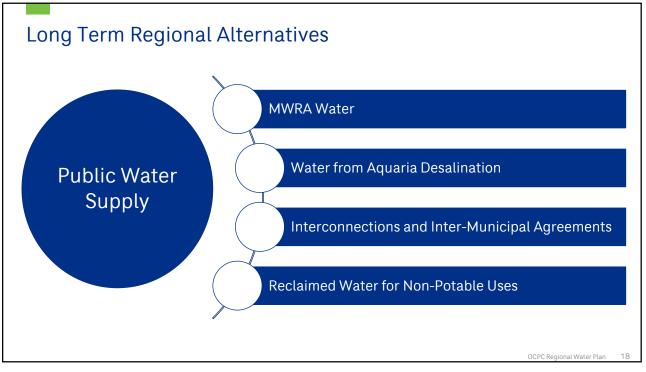


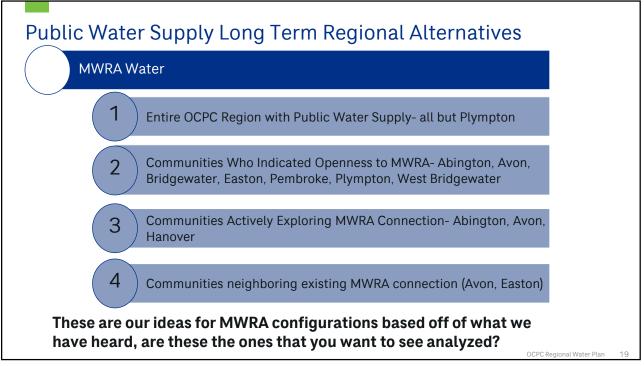


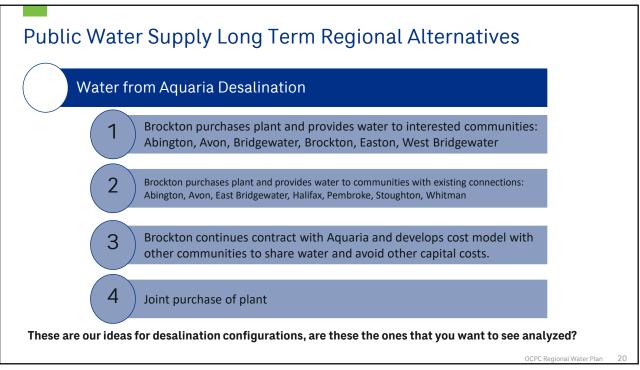




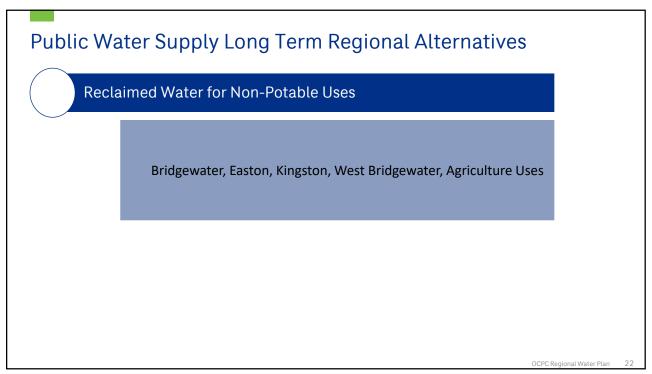




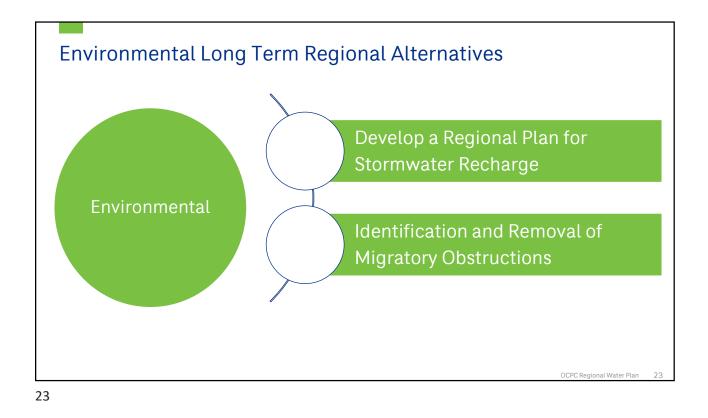


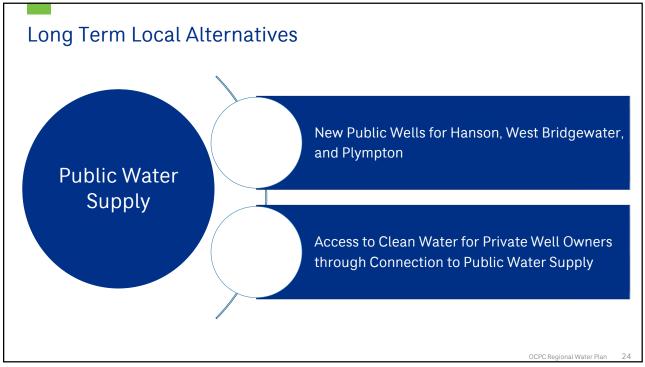








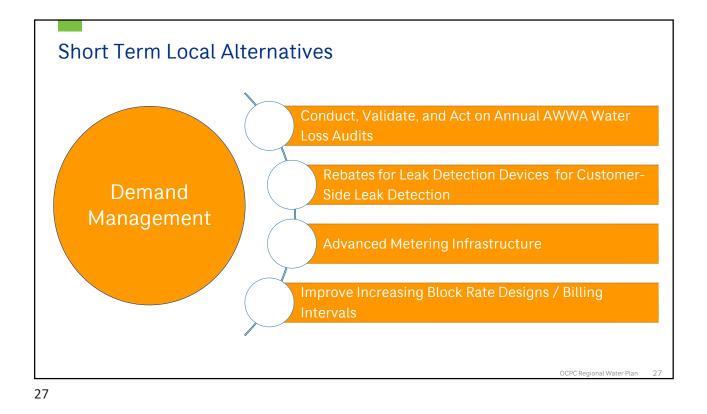


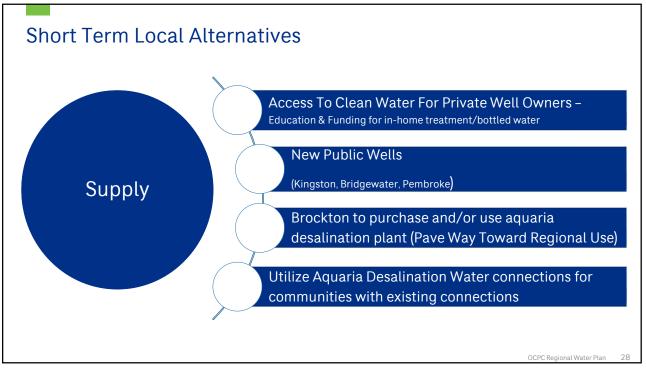




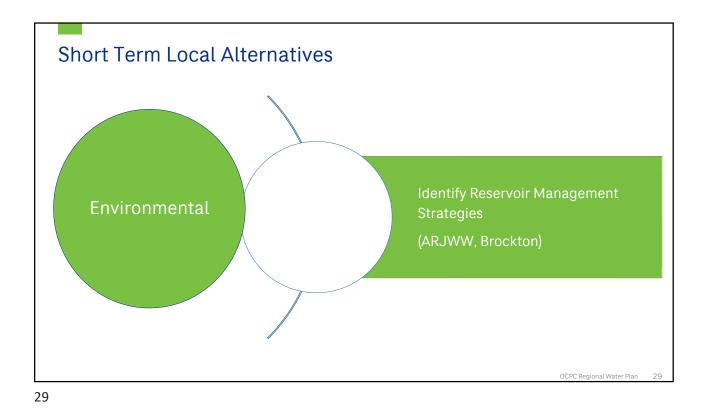


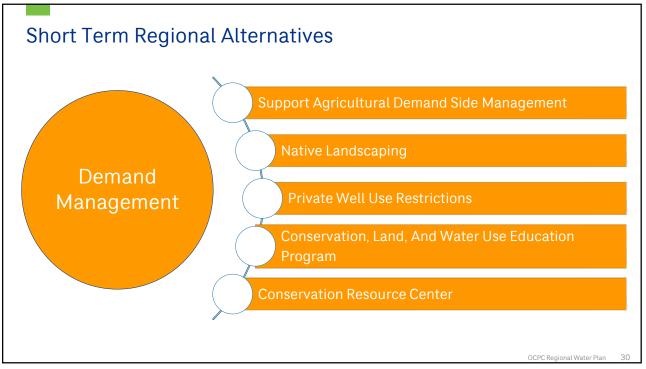




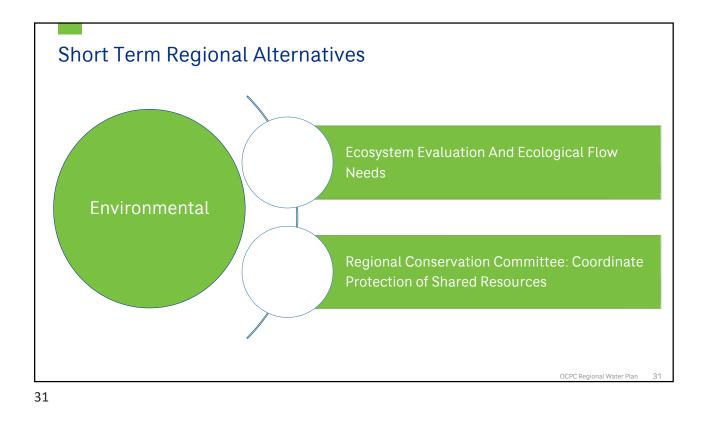


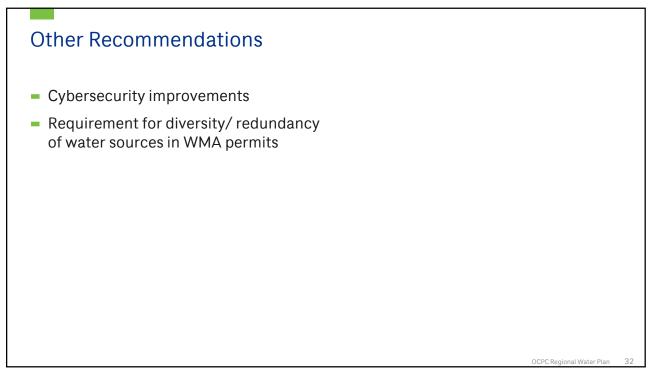








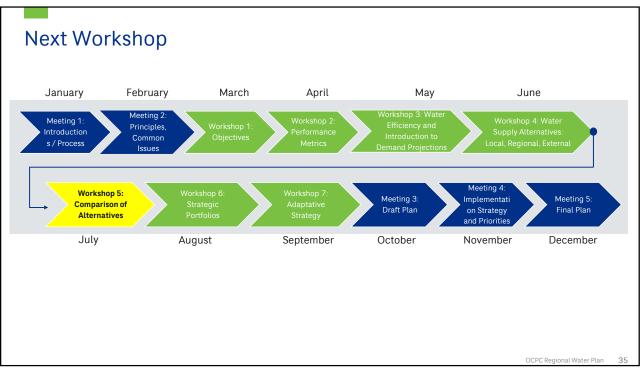












WHEN	DETAILS
Tuesday, August 27 th 9:00 am – 12:00 pm	Workshop 6
Tuesday, September 24 th 9:00 am – 12:00 pm	Workshop 7
Tuesday, October 29 th 9:00 am – 12:00 pm	Meeting 3
Monday, November 18 th 8:00 am – 12:00 pm	Meeting 4
Tuesday, December 10 th 8:00 am – 12:00 pm	Meeting 5

OCPC Regional Water Plan



Scenarg Committee Homework Scenarg objectives and updated metrics Gedback due by 8/7 rozyckikm@cdmsmith.com Demand Projections and Capacity Memo (by municipality) Will be sent via email by end of this week Gedback due by 8/14 rozyckikm@cdmsmith.com Interviews mail Kyle Olsen at RVA (kolsen@reginavilla.com) if you have not yet scheduled your interview.





Relevance to Framework	Project Description	Communities/ Stakeholders to whom this could apply	Category	Note
Long-Term Local Alternatives	Access to Clean Water for Private Well Owners - Connection to Public Water Supply	All	Supply	Kings
	New Public Wells	Hanson, West Bridgewater, Plympton	Supply	Inclu wells new inter
	MWRA For Entire OCPC Region with Public Water Supply	Abington, Avon, Bridgewater, Brockton, Duxbury, East Bridgewater, Easton, Halifax, Hanover, Kingston, Pembroke, Plymouth, Stoughton, West Bridgewater, Whitman	Supply	Inclue
	MWRA For Communities Who Indicated Openness to MWRA	Abington, Avon, Bridgewater, Easton, Pembroke, Plympton, West Bridgewater	Supply	Inclue as a v
	MWRA For Communities Actively Exploring MWRA Connection	Abington, Avon, Hanover	Supply	Incluc
Long-Term Regional	MWRA for Communities Bordering Existing MWRA Connection (Stoughton)	Avon, Easton	Supply	Avon conn
Alternatives	Aquaria Desalination Under Brockton Ownership For Communities Open To Considering	Abington, Avon, Bridgewater, Brockton, Easton, West Bridgewater	Supply	Inclu as a v
	Aquaria Desalination Under Brockton Ownership For Communities with Existing Connections	Abington, Avon, Bridgewater, Brockton, Easton, West Bridgewater	Supply	Inclu
	Aquaria Desalination Continues Under Private Ownership with Brockton Supplying Water For Communities Open To Considering	Abington, Avon, Bridgewater, Brockton, Easton, West Bridgewater	Supply	Inclue as a v
	Aquaria Desalination Under Regional Ownership For Communities Open To Considering	Abington, Avon, Bridgewater, Brockton, Easton, West Bridgewater	Supply	Inclu as a v
	Expand and/or Rehabilitate Interconnections with Inter-Municipal Agreements	Abington, Plympton, Easton, East Bridgewater, Bridgewater, West Bridgewater, Stoughton	Supply	Inclue as an

gston currently has a moratorium on new connections

ludes communities not actively pursuing development of new Ils but those who have expressed interest in development of w public wells in the long term in previous reports or in erviews.

ludes all communities but Plympton.

ludes communities who indicated openness to considering this a water supply at the last workshop or in interviews.

ludes communities who are actively pursuing MWRA nnection studies or have previously conducted these studies.

on and Easton border Stoughton which has an existing MWRA nnection.

ludes communities who indicated openness to considering this a water supply at the last workshop or in interviews.

ludes communities with existing connections

ludes communities who indicated openness to considering this a water supply at the last workshop or in interviews.

ludes communities who indicated openness to considering this a water supply at the last workshop or in interviews.

ludes communities who indicated openness to considering this an alternative at the last workshop or in interviews.

Relevance to Framework	Project Description Reclaimed Water for Non-Potable Uses	Communities/ Stakeholders to whom this could apply	Category	Note
		Bridgewater, Easton, Kingston, West Bridgewater, Agriculture Uses	Demand	Inclu recla
	Develop a Regional Plan for Stormwater Recharge	All	Demand, Environmental	Parti
	Identification and Removal of Migratory Obstructions	Jones River Watershed Association and Taunton River Watershed Association	Environmental	Previ in the alter
	Redundant Water Supply For Agriculture	Agricultural users	Supply	Provi drou new
	Regional PFAS Treatment	All but Plympton	Supply	Inclu
	Conduct, Validate, and Act on Annual AWWA Water Loss Audits	All	Demand , Maintenance	One relat for c
	Rebates for Leak Detection Devices for Customer-Side Leak Detection		Demand	More Wate Wate Exam by M
		All		
Short Term Local Alternatives	Advanced Metering Infrastructure	All	Demand	More imple and I Wate OCPO
Local	Advanced Metering Infrastructure Improve Increasing Block Rate Designs		Demand	imple and l Wate

ludes communities who indicated openness to considering laimed water for non-potable uses at the last workshop.

ticular benefit for communities who are reliant on undwater for public water supply:

evious studies have been completed for removal of forges dam the Jones River watershed. These will be used to help develop ernatives.

wide additional water to agriculture users during periods of bught to support resilient farms. This could be through drilling w wells or connection to public water supply.

ludes all communities but Plympton.

e regional action that may be included in the final report ated to this would be securing funding for a regional training conducting AWWA water loss audits.

bre details on detection devices are included in Alliance for ater Efficiency's memorandum titled *Recommendations for ater Efficiency in the Old Colony Planning Council's Region*. Amples of products include Droplet by Hydrific, Flume, and Flo Moen.

bre information for demand management strategies that can be plemented following AMI, including customer facing portals d leak notification programs, is included in the Alliance for ater Efficiency memorandum on water conservation in the PC region.

gston is currently working internally on updating block rates.

wns, potentially through Boards of Health, provide support for vate well owners to understand the need for point source atment and potentially provide information on existing grants financial assistance to implement treatment.

Relevance to Framework	Project Description	Communities/ Stakeholders to whom this could apply	Category	Notes
Short-Term Local Alternatives	Identify Reservoir Management Strategies	Abington, Brockton	Supply, Environmental	This a reserv This a additi
	New Public Wells	Bridgewater, Pembroke, Kingston	Supply	Incluc wells.
	Brockton to purchase and/or use aquaria desalination plant (Pave Way Toward Regional Use)	Brockton	Supply	Local
	Utilize Aquaria Desalination Water connections for communities with existing connections	Abington, Brockton	Supply	Abing plant.
Short-Term Regional Alternatives	Support Agricultural Demand Side Management (research grants)	Agricultural users	Demand	Ident dema
	Ecosystem Evaluation And Ecological Flow Needs	All	Environmental	Goal o wetla of into
	Native Landscaping	All	Demand	More devel
	Private Well Use Restrictions			Limit mand
		Most	Demand	

s alternative includes communities in OCPC region that have a ervoir.

is alternative would have to be considered depending on the ditional water supply alternatives.

ludes communities actively pursuing development of new lls. New wells expected online within next 5-10 years.

cal alternative to pave way for regional use.

ington and Brockton have existing connections to desalination nt.

ntify practices and potential funding support for agricultural mand side management practices.

al of establishing minimum flow needs for healthy streams and tlands. Could focus on site-specific ecology for a water bodie(s) interest in region.

ore use of native landscaping, with need for workforce velopment with landscapers

nit private well irrigation during droughts. Could be through a ndate from Boards of Health.

	Relevance to Framework	Project Description	Communities/ Stakeholders to whom this could apply	Category	Notes
Short-Term	Conservation, Land, And Water Use Education Program Regional Conservation Committee: Coordinate Protection of Shared Resources	All	Demand	Progr	
	Regional Alternatives	Conservation Resource Center	All	Environmental	Resou
		Cybersecurity Improvements	All	Maintenance	Could

ograms for public education

source center to reduce consumption. Should this be geared wards public utilities.

uld be regional training or resource center