

Attachment A

The Jamaica Bay Watershed Protection Plan Advisory Committee (“Committee”) believes the following Jamaica Bay Watershed Protection Plan (“Plan”) management strategies to be critical new efforts that will help improve Jamaica Bay’s water quality and ecological integrity. This list is not intended to diminish the importance of many of the other Plan strategies, but rather to recognize that, in such cases, funding and/or completion appeared more certain, and/or their benefits to the bay less critical. This list indicates those new projects that need to move forward within the next year and quickly make substantial progress in order for us to protect the bay. Please note that in some cases there may be more components under the management strategy that were not included on this chart because they did not appear to be new efforts or considered essential to start immediately in the Committee’s judgment.

For each strategy, the Committee has provided DEP’s timeline (if any) and the Committee’s proposed timeline. The Committee also strongly urges the DEP and others to determine remaining cost figures. Without estimated funding amounts, the community cannot move ahead to secure the necessary funding for these critical actions.

MANAGEMENT STRATEGY AND IMPLEMENTATION STRATEGIES	COST (\$MIL.)	DEP TIMELINE	PROPOSED TIMELINE
1a1: Carbon addition facilities at 26th Ward and Jamaica Water Pollution Control Plants -Carbon addition facilities at 26 th Ward and Jamaica WPCPs -Interim carbon addition facilities at 26 th Ward WPCP and reroute Jamaica WPCP centrate processing to 26 th Ward WPCP	TBD TBD	TBD Start: not less than 36 – 40 mos.	Start 2007; Completion in 4 years Start 2007; Completion in 3 years
1a2: Evaluate and implement alternative technologies -Algae and sea lettuce harvesting pilot study -Algal turf scrubbers -Oyster and eel grass restoration pilot study -Ribbed mussel restoration pilot study	.387 .35 .95 .3	Start: Fall, 2008 Start: Fall, 2008 Start: Fall, 2008 Start: Fall, 2008	Start: Fall, 2008 Start: Fall, 2008 Start: Fall, 2008 Start: Fall, 2008 Project monitoring should continue for 3 years, but after a year enough data should be in hand to determine feasibility of the projects and expand the pilots accordingly
1b4: Expand boat pump out program in Jamaica Bay -Install a third boat pump out facility at the Rockaway WPCP -Pursue adding additional boat pump outs in Jamaica Bay and obtaining a no discharge zone designation for the bay	.0215 .0215	Finish: by 2008 boating season TBD	Start: 2007; Finish: Spring, 2008 for both facilities and application for no discharge zone designation

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<p>1d1: Identify potential additional monitoring needs and develop an enhanced monitoring program -Enhanced monitoring plan</p> <p>-Development of partnerships and funding sources -Track endocrine disrupter issues</p>	<p>TBD</p> <p>N/A N/A</p>	<p>Finish: Enhancement program developed by Oct., 2008 TBD N/A</p>	<p>Start: Oct., 2007; Finish: Oct., 2008 for review of what's needed and start new monitoring in Jan., 2009</p> <p>Same timeline as previous item Determine extent of problem for NYC plants by 2009 and implement a strategy to address the problem by 2010</p>
<p>2a1: Prioritize the restoration of additional salt marsh islands (Black Wall, Ruler's Bar, Duck Point, etc.) -Establish salt marsh islands wetlands priority restoration review board -Complete the restoration of the Jamaica Bay Marsh Islands Ecosystem Project (Elders Point and Yellow Bar) and the 8 JBERRT sites (<i>the Committee also supports the implementation strategy "Support JBERP in Paerdegat Basin and Fresh Creek" under management strategy 1c1.</i>)</p>	<p>N/A Approx. \$29 to complete Elders/Yellow Bar; approx. \$215 to complete all 8 JBERRT sites</p>	<p>TBD TBD</p>	<p>2007 Finalize timelines in 2008, for JBERRT projects specifically, start staggered construction (2 sites/year) beginning in 2009 with completion in 2013</p>
<p>2b1: Review existing recommendations for the acquisition and restoration of tidal wetlands and upland buffer areas around the Bay's periphery and evaluate the potential for additional acquisition and restoration opportunities -Transfer HPD properties in the Edgemere section of Queens to DPR</p> <p>-Pursue acquisition and restoration efforts in cluster areas</p> <p>-Acquire Seagirt Avenue wetland properties, Far Rockaway, Queens</p>	<p>TBD</p> <p>TBD</p> <p>TBD</p>	<p>TBD</p> <p>Will place study holds within 6 mos., work with agencies to review and determine restoration costs</p> <p>TBD</p>	<p>Winter, 2007 for the transfer; Winter, 2008 for the development of restoration plans Immediately place study holds on properties in cluster areas and start work with agencies to review and determine restoration costs; acquire property by Winter, 2008; determine restoration plans by Winter, 2009</p> <p>Winter, 2007</p>

Attachment A (continued)

3a1: Promote low impact development and best management for new and existing development (residential and non-residential) -Green roof/ blue roof pilot study -Rain barrel give-away pilot study -Parking lot pilot study -NYCHA or HPD pilot study -New York City agency demonstration projects -Evaluate rooftop detention -Stormwater rates and credits -Cost-sharing programs -Code review -Companion BMP design manual -CEQR technical manual	.3525 .138 .29 .55 TBD TBD TBD .04 .25 N/A (included in above .25) N/A	Start: Late 2007; Finish: 2010 Start: Summer, 2008; Finish: 2010 Start: Late 2007; Finish: 2010 Start: Summer, 2009; Finish: 2011 Start: Fall, 2008 Start: Late 2007 Start: Late 2007; Finish: Mid-2009 Start: Fall, 2007; Finish: Late 2008 Start: Mid-2008 Start: Early 2008; Finish: Late 2009 Start: Summer, 2008	Start: 2007 Start: 2008 Start: 2007 Start: Spring, 2009 Start: Fall, 2008 Start: 2007 Start: 2007 Start: 2007 Start: Spring, 2008 Start: Spring, 2008; Finish: Winter, 2008 Start: Summer, 2008; Finish: Winter, 2008 Project monitoring should continue for 3 years, but after 9 months to a year enough data should be in hand to expand the pilots; develop full implementation plans for BMP in watershed/sewershed after 2 years of pilot and begin implementing these plans after 3 years
3a2: Reduce the imperviousness of new and existing development -Porous pavement on NYCDEP property -Zoning resolution pervious area requirements -Code review	.442 N/A N/A	Start: Summer, 2008; Finish: 2010 Start: Fall, 2007 TBD	Start: Spring, 2008 Start: Fall, 2007 Start: Fall, 2007, with report of next steps due in Winter, 2008

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3b1: Promote the use of BMPs along streets and sidewalks and highway rights-of-way -Belt Parkway bridges demonstration project -Streetside infiltration swales pilot study -Constructed wetlands pilot study -Tree pit pilot study (<i>the Committee also supports the vacant parcels pilot study under management strategy 3b3.</i>)	1.295 .51 .51 .1125	Start: Winter, 2007 Start: Late 2007; Finish: 2010 Start: Late 2007; Finish: 2010 Start: Late 2007; Finish: 2010	Start: 2007; Finish: Spring, 2008 Start: 2007; Finish: Spring, 2008 Start: 2007; Finish: Spring, 2008 Start: 2007; Finish: Spring, 2008 Project monitoring should continue for 3 years, but after a year enough data should be in hand to determine feasibility of the projects and expand the pilots accordingly; develop full implementation plans for BMP in watershed/sewershed after 2 years of pilot and begin implementing these plans after 3 years
3b4: Promote the use of existing open space (such as parks, plazas, community gardens, etc.) for their potential to accommodate stormwater BMPs -Baisley Pond Park project	3-4	Start: 2010	Start: 2008; Finish: 2010