Summary of Public Comments on January 29, 2014 Draft Watershed Agreement and Chesapeake Bay Program Response

The following is a summary, arranged by topic area, of comments received and CBP's subsequent decisions related to each topic. It reflects only topics that received public comment and does not reflect the entire Agreement. All public comments submitted between January 29 and March 17, 2013 were reviewed and considered by the partners in the development of the final Chesapeake Watershed Agreement. All names of organizations and individuals that commented during this time are listed at the end of this document.

Agreement Topic		Comment Summary	Final Agreement Language showing edits from public draft where applicable	Decision Rationale If Comment Request Not Included
1. Participation	•	Do not allow for jurisdictions to "opt in or out" of the	Removed from page 4, paragraph 3:	
		various goals and outcomes in the new Bay Agreement.	Except for those outcomes required by law and related to	
	•	The "opt in, opt out," including the statements, "each	the implementation of the Chesapeake Bay Total Maximum	
		signatory may exercise its discretion to participate in	Daily Load (TMDL) under the water quality goal, each	
		the development and implementation of individual	signatory may exercise its discretion to participate in the	
		outcomes' management strategies" and "Signatories	development and implementation of individual outcomes'	
		may decide to adjust their level of participation in the	management strategies depending upon relevance,	
		implementation of strategies as circumstances	resources, priorities, or other factors. Partnerships with	
		warrant," convey a weak commitment of the partners	other agencies, organizations, and stakeholders will be	
		to the restoration effort.	identified as appropriate. Signatories may decide to adjust	
	•	As the draft Agreement stands, it lacks accountability,	their level of participation in the implementation of	
		relieves signatories of the responsibility of committing	strategies as circumstances warrant.	
		to do the work, creates the potential for goals or		
		outcomes for which no jurisdiction elects to implement	Management Strategies, page 12, paragraph 2:	
		a management strategy, and seems that none of the	Participation in management strategies or participating in	
		signatories commit to implement all or substantially all	the achievement of outcomes is expected to vary by	
		of the Agreement.	signatory, based on differing priorities across the watershed.	
	•	The Agreement should specify roles and responsibilities	This participation may include sharing knowledge, data or	
		of partners, and indicate whether each signatory	information; educating citizens or members; working on	
		intends to implement a management strategy.	future legislation; and developing or implementing programs	
		Management strategies should be drafted prior to	or practices	
		signing the Agreement.		
			Management Strategies, page 13, paragraph 2:	
			As Chesapeake Bay Program partners, we acknowledge that	
			this agreement is voluntary and subject to the availability of	
			appropriated funds. This agreement is not a contract or an	

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	assistance agreement. We also understand that this agreement does not pre-empt, supersede or override any other law or regulation applicable to each signatory.
 We would appreciate more infor signatory partners can become e development and implementatic strategies. Locally-focused organ the watershed that are involved strategies related to healthy wat environmental literacy, could hav impact on our collective progress Greenway) We also hope that you and your members of our DMV Metro EJ C University of Maryland School of discussions to help shape the im proposed elements of the Chesa in a way that will address the cor communities of color that are im (Sacoby Wilson, WE ACT) COG's members need to be invol designated Goal Implementation discussions regarding watershed implications - given the direct rol our local governments have in ac quality. (M Wash COG) 	gaged in the of management tations throughout or management or gaizations, watershed groups, businesses and individual citizens.This work will require effort from many, including all levels of government, academic institutions, non-governmental organizations, watershed groups, businesses and individual citizens.Nanagement stheds, public access, e a tremendous (SusquehannaManagement Strategies, page 12, paragraph 2: Specific management strategies will be developed in consultation with stakeholders, organizations and other agencies, and will include a period for public comment and review prior to final adoption.Public Health in future ementation of the eake Bay Agreement terns of low income, acted by the Bay.Health in future ed with the Feam on any that have local and responsibility Iressing local waterLes and use of the state local consultation with state local and responsibilityed with the fease no any that have local and responsibilityLes and use of the state local consultation with state local consultation with the state local consultation with state local consultation with state local consultation with state local consult
 2. Environmental Justice Address urban blight as related t justice issues. Address funding issues for minor engagement with diverse communication 	Promote environmental justice through the meaningful involvement and fair treatment of all people regardless of
Commit to restoring waters with metropolitan areas equally.	and outside of of this agreement.
3. Oysters • Increase the number of tributarie match the Executive Order.	s from 10 to 20 to Oyster Outcome: Continually increase finfish and shellfish habitat and water quality benefits from restored oyster

e Pocus on protecting existing reds, and large oyster sanctuaries rather than small dispersed reds. populations. b Define the conditions when habitat and populations have been restored. Portection to recover the benefits of fish habitat and maygation limitations. c Feesh Water Freshwater tributary fisheries require a commitment to improve declining recereational fish populations. Gal: Protect, restore, and enhance finfish, shellfish and other lining resources, their habitats and ecological relationship to sustain all fisheries and provide for a base for all game and becines in freshwater species in Chesspeake tributaries, including the recreationally valuable smallmouth bass. Gal: Protect, restore, and enhance finfish, shellfish and other lining resources, their habitat and decological relationship to sustain all fisheries and provide for a base for all game and bod fish species, and for the reduction of single cell algee by these once abundant. 5. Menhaden Menhaden restoration is critical to provide a forage base for all game and bod fish species, and burkton. 7. The wholesale destruction of methaden is something that medaem task that is a valuable part of the species an include as forage, and such criteria by white methadem and anchroys. 6. Specific Source of Polution The wholesale destruction of selects at wappensite in polyticon, otherwise the burden is shifter to taxappers, ported technological assistance to help farmers comits in the Chesapeake Bay. 6. Specific Source of Polution Each source sector should take responsibility for its polyticon, otherowise the taxappersis line of the Bay beyond the highy abundant s					Version 2.1, May 15, 2014
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			pollution, and provide advice and monitoring for	being listed as "impaired" under the Clean Water Act. The	

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7. Water Quality	 nutrient management plans. Hold farmers responsible for properly disposing of manure. The agreement should include an outcome related to reducing polluted runoff either within the "Water Quality" or "Land Conservation" goals. Install clean-out catch systems on storm water drains. There is no mention of atmospheric (air) deposition within this agreement. Since this is a large source of pollutants to the Bay, why is there no mention here or a stated goal? Commit to greater regulation of wastewater treatment facilities, which disproportionately release pollution into urban and minority areas. 	Chesapeake Bay Total Maximum Daily Load (TMDL) is driving nutrient and sediment reductions as described in the Watershed Implementation Plans (WIPs) adopted by the states and the District of Columbia and establishes the foundation for water quality improvements embodied in this Agreement. These plans set nutrient and sediment reduction targets for various sources stormwater, agriculture, air deposition, wastewater and septic systems. Restoring these waters is critical to overall Bay watershed restoration because clean water is the foundation for healthy fisheries, habitats and communities across the region.	
Standards Attainment	outcomes are to be reached, or include the percent attainment of the goal – something that puts teeth into the percentage attainment.	Outcome : Continually improve the capacity to monitor and assess the effects of management actions being undertaken to implement the Bay TMDL and improve water quality. Use the monitoring results to report annually to the public on progress made in attaining established Bay water-quality standards and trends in reducing nutrients and sediment in the watershed.	
8. Toxic Contaminants	 Include a goal and outcomes to reduce loads of toxic chemicals, including PCBs, PAHs, and pesticides, and to study the effects of new and emerging contaminants, including endocrine disruptors. Re-instate the Toxic Contaminants Research Outcome and the Reduction Outcome. Address chemical contamination in some way, including pesticides and other synthetic agricultural and turf chemicals, and ice and snow road treatment chemicals. Not enough is known about toxic contaminants to include a reductions outcome at this time. Each state's local governments should handle toxics, but it should be omitted from the watershed agreement. 	Introduction: Toxic contaminants harm fish and wildlife in the Bay and its watershed, and create risks to human health that limit the amount of fish that people can eat. Reducing the impacts of toxic contaminants is critical to improve the health of fish and wildlife, thereby improving their recreational value for citizens. Goal: Ensure that the Bay and its rivers are free of effects of toxic contaminants on living resources and human health. Toxic Contaminants Research Outcome: Continually increase our understanding of the impacts and mitigation options for toxic contaminants. Develop a research agenda and further characterize the	

		occurrence, concentrations, sources and effects of mercury, PCBs and other contaminants of emerging and widespread concern. In addition, identify which BMPs might provide multiple benefits of reducing nutrient and sediment pollution as well as toxic contaminants in waterways.
		Toxic Contaminants Policy and Prevention Outcome: Continually improve practices and controls that reduce and prevent the effects of toxic contaminants below levels that harm aquatic systems and humans. Build from existing programs to reduce the amount, and effects, of PCBs in the Bay and watershed. Use research findings to evaluate the implementation of additional policies, programs, practices for other contaminants that need to be further reduced or eliminated.
9. Healthy Watersheds	 Include the protection of "good" quality waters in addition to "exceptional" quality waters. 	Goal: Sustain state-identified healthy waters and watersheds, recognized for their exceptional high quality and/or high ecological value. Outcome: By 2025, 100% of state-identified currently healthy water and watersheds remain healthy.
10. Citizen Stewardship	 Work with Chesapeake Bay Program partners and other academic, local government and citizen organizations to develop a metric for evaluating progress in citizen stewardship. Promote and support initiatives that increase the number and diversity of local stewards who support and carry out the conservation and restoration activities necessary to achieve the goals and commitments of the agreement. Develop a behavior change index to regionally measure changes in the number of individuals engaged in stewardship behaviors. 	

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			outlined in this Agreement. Stewards bring the action element for implementing the rest of the Agreement. There are over 600 local conservation and watershed organizations in our region that are educating and empowering citizens to restore and protect their local streams and rivers. There are tens of thousands of local citizen volunteers who donate their time and talent to our shared goals.	
			Goal: Increase the number and diversity of local citizen stewards and local governments that actively support and carry out the conservation and restoration activities that achieve healthy local streams and a vibrant Chesapeake Bay.	
			Citizen Stewardship Outcome: Increase the number and diversity of trained and mobilized citizen volunteers with the knowledge and skills needed to enhance the health of their local watersheds.	
11. Diversity of Representation	•	Expand efforts to recruit qualified minority owned non- profits and businesses, and local civic leaders for decision making agencies and boards.	Diversity Outcome : Identify minority stakeholder groups who are not currently represented in the leadership, decision making and implementation of the current	
	•	The decision making involved in environmental policy and pollution-source-siting decisions continues to lack substantive input from diverse minority and low- income communities. Significant voluntary improvements in these communities are difficult to realize when these populations are not engaged. Increase outreach and funding for education programs in under-represented communities There needs to be an effort to get adults and people from all races, economic status, and backgrounds working on the Bay restoration.	conservation and restoration activities and create meaningful opportunities and programs to recruit and engage them in the partnership.	
12. Land Conservation, Impervious	•	Add a goal that addresses land use and development in the urban and suburban areas of the watershed - conservation will not work if we make poor choices in	Introduction: The landscapes around the Bay and its tributaries are ecologically, culturally, historically and recreationally valuable to the people and communities of	
Surfaces	•	developing land that is not under conservation. A full evaluation of the impacts of increased and	the region. Stimulating, renewing and expanding commitments to conserve priority lands for use and	

sprawling human growth and development needs to be addressed with a strong plan to address impacts.

- Implement policy options and potential incentive programs to support minimizing new impervious surfaces.
- Increase the goal for protected acres to 2.5 million from 2010 to match or exceed the Executive Order.
- Reduce the average farm and forest land conversion rate to 40% by 2025. The preservation of forest land and farm land is more cost-effective than retrofitting impervious surfaces in the future.
- Both outcomes should be redrafted to ensure states and localities get beyond the first step in addressing the role of land protection.
- Land Conservation outcomes must do more to increase the rate of restoring impervious land or replacing natural function of existing impervious surfaces through restoration of impervious or disturbed land cover and retrofitting land uses that impact water quality.

enjoyment is an integral part of furthering the watershed's identity and spirit.

Goal: Conserve landscapes treasured by citizens in order to maintain water quality and habitat; sustain working forests, farms and maritime communities; and conserve lands of cultural, indigenous and community value.

Protected Lands Outcome: By 2025, protect an additional two million acres of lands throughout the watershed currently identified as high-conservation priorities at the federal, state or local level, including 225,000 acres of wetlands and 695,000 acres of forest land of highest value for maintaining water quality. (2010 baseline year)

Land Use Methods and Metrics Development Outcome: Continually improve the knowledge of land conversion and the associated impacts throughout the watershed. By 2016, develop a Chesapeake Bay watershed-wide methodology and local-level metrics for characterizing the rate of farmland, forest, and wetland conversion, measuring the extent and rate of change in impervious surface coverage and quantifying the potential impacts of land conversion to water quality, healthy watersheds, and communities. Launch a public awareness campaign to share this information with local governments, elected officials, and stakeholders.

Land Use Options Evaluation Outcome: By the end of 2017, with the direct involvement of local governments or their representatives, evaluate policy options, incentives, and planning tools that

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		could assist local governments in their efforts to continually improve their capacity to the reduce the rate of conversion of agricultural lands, forests and wetlands as well as the rate of changing landscapes from more natural lands that soak up pollutants to those that are paved over, hardscaped or otherwise impervious. Strategies should be developed for supporting local governments' and other efforts in reducing these rates by 2025 and beyond.	
13. Public Access	 Access to recreational opportunities is determined by county and town authorities, and divisions within state government. This results in a system of uncoordinated fees, rules, hours and resources that leaves users confused and frustrated. Recognize and encourage partnerships that include the private sector, other institutions, and governmental agencies. Increase access sites for kayakers, anglers and swimmers in particular. New or expanded facilities create more pollution, and the cost to control it is an inevitable consequence. 	Introduction:Physical access to the Bay and its tributaries is very limited with real consequences for quality of life, local economies, and long-term conservation. Increasing public access to local waterways for fishing, swimming, boating, and other activities fosters a shared sense of responsibility and increased stewardship that supports Bay watershed restoration goals.Goal: Expand public access to the Bay and its tributaries through existing and new local, state and federal parks, refuges, reserves, trails and partner sites.Public Access Site Development Outcome: By 2025, add 300 new public-access sites, with a strong emphasis on providing opportunities for boating, swimming and fishing, where feasible. (2010 baseline year)	
14. Environmental Literacy	 Incorporate a clear, distinct sustainable schools outcome to align with the Mid-Atlantic Elementary and Secondary Environmental Literacy Strategy. State and local school systems should take a systemic approach to environmental education to ensure programs and opportunities ultimately reach every student and teacher in the watershed. Expand the goal and outcomes to include measurable 	Introduction: The future well-being of the Chesapeake Bay watershed will soon rest in the hands of its youngest citizens—more than three million students in kindergarten through 12th grade. Establishing strong, targeted environmental education programs now, provides a vital foundation for these future watershed stewards.	

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metrics.	Goal: Enable every students in the region to graduate	
	with the knowledge and skills to use scientific evidence	
	and citizenship skills to act responsibly to protect and	
	restore their local watershed.	
	Meaningful Watershed Educational Experience	
	Student Outcome: Continually increase the	
	number of students' age appropriate	
	understanding of the watershed through	
	participation in participating in teacher-supported	
	meaningful watershed educational experiences	
	and rigorous inquiry instruction with a target of at	
	least one meaningful watershed educational	
	experience in elementary, middle and high school	
	depending on available resources.	
	School and School System Model Development	
	Sustainable Schools Outcome: Support and	
	highlight models of sustainable schools and local	
	education agencies that use system-wide	
	approaches for environmental education.	
	Continually increase the number of schools in the	
	region that reduce the watershed, environmental	
	and human health impact of their buildings and	
	grounds through best practices, including student-	
	let protection and restoration projects.	
	Environmental Literacy Planning Outcome: Each	
	participating Bay jurisdiction will develop a	
	comprehensive and systemic approach to	
	environmental literacy for all graduates in the	
	region that should include policies, practices and	
	voluntary metrics that measure the outcomes and	
	goal of this agreement	

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		Environmental Literacy Metrics Outcome: By	
		2014, develop baseline metrics to establish and	
		measure outcomes related to student	
		participation in teacher-supported meaningful	
		watershed educational experiences and related	
		activities.	
15. Climate Change	 Revise the term "changing environmental conditions" to be "climate change." Commit to researching climate resiliency and adaptation, and evaluating the impacts and risks of climate change and sea level rise as related to the achievement of the other goals and outcomes. Commit to creating climate resiliency and adaptation strategies. The science available regarding climate change is not strong enough. Do not include it in the agreement. 	 Introduction: Changing climatic and sea level conditions may alter the Bay ecosystem and human activities, requiring adjustment to policies, programs and projects to successfully achieve our restoration and protection goals for the Chesapeake Bay and its watershed. This challenge requires careful monitoring and assessment of these impacts and application of this knowledge to policies, programs and projects. Goal: Increase the resiliency of the Chesapeake Bay watershed including its living resources, habitats, public infrastructure and human communities to withstand adverse impacts from changing environmental and climate conditions. 	
		 Monitoring and Assessment Outcome: Continually monitor and assess the trends and likely impacts of changing climatic and sea level conditions on the Chesapeake Bay ecosystem, including the effectiveness of restoration and protection policies, programs and projects Adaptation Outcome: Continually pursue, design, and construct restoration and protection projects to enhance the resiliency of bay and aquatic ecosystems from the impacts of coastal erosion, coastal flooding, more intense and more frequent storms and sea level rise. 	
16. Conowingo Dam, Dam Sediment	• The system of dams and reservoirs are silted in and no longer capturing sediment and pollution like they had when the dams were constructed. Focus on	Not included in agreement.	

Pollution	 maintenance to increase dam sediment trapping capabilities. Require plans for addressing sediment that has built up behind dams in excess of ten feet high, and plans to 	
	minimize impacts on downstream areas. Add an appropriate outcome to identify a process and timeline for development of a plan and its implementation.	
17. Hydraulic Fracturing	 Not addressing this growing source of nutrient and sediment pollution in the watershed is a glaring omission. Each jurisdiction should put a policy in place for offsetting the impacts of land use change associated with the shale gas industry. 	Not included in agreement
	 Conduct comprehensive environmental impact analyses for the fracking industry, including well-pads, roads, and pipeline impacts related to any increase in erosion and stormwater runoff of nutrients and sediment from drilling operations. Include projections of how the impacts will increase based on projected growth of the industry. Based on the assessment, develop guidance to ensure relevant states scientifically address options to reduce loadings and comply with obligations under the Chesapeake Bay TMDL. 	
18. Facilitating Adaptive Management	Every outcome should reflect the change that is desired in the system, the continual nature of work on the goals and outcomes.	See revised outcomes: Oyster, Forage Fish, Fish Habitat, Wetlands, Black Duck, Stream Health, Fish Passage, SAV, Forest Buffer, Tree Canopy, Water Quality Standards Attainment, Toxic Contaminants Research, Toxic Contaminants Policy and Prevention, Local Leadership, Land Use Methods and Metrics, Land Use Options Evaluation, Student, Sustainable Schools, Climate Monitoring and Assessment, Climate Adaptation.
19. Defining Metrics,	 Define: restore, protect, support, highlight, "meaningful watershed experience," 	Refer to "" (with link)

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Baselines, Dates,	•	Explain all baselines.		
and Terms	•	Provide reasoning for all outcome target numbers.		
20. Funding,	•	Provide and facilitate more financial assistance at the	Preamble, page 3, paragraph 2: "This Agreement	
Financing, and		local level.	acknowledges that the Partnership cannot address every	
Affordability	•	Address concepts of affordability within the agreement.	issue at once and that progress must be made in a strategic	
	•	Create a Financial Advisory Committee to provide	manner, focusing on efforts that will achieve the most cost-	
		recommendations on funding decisions for increased	effective results."	
		financial efficiency.		
		,	Local Leadership Outcome: Continually increase the	
			knowledge and capacity of local officials on issues related to	
			water resources and in the implementation of economic and	
			policy incentives that will support local conservation actions.	
21. Decision-	•	The Executive Council should be the designated body	Goals and Outcomes, page 5, paragraph 1: "Any changes or	
Making		empowered to approve of any changes to the goals and	additions to goals are approved by the Executive Council.	
		outcomes of the agreement.	Changes or additions to outcomes are approved by the	
	•	Previous Chesapeake Bay Agreements have not allowed	Principals' Staff Committee, although significant changes or	
		the PSC to make changes to the outcomes without	additions will be raised to the Executive Council for	
		approval by the Executive Council, and it is unclear	approval. Proposed changes to goals and outcomes or the	
		what this change is solving.	addition of new goals or outcomes are open for public input	
			before being finalized. Final changes or additions are publicly	
			posted to the Bay Program website."	

This summary reflects comments received from:

Organizations

Allegheny Highlands Alliance Alliance for the Chesapeake Bay American Rivers Anacostia Watershed Citizens Advisory Committee Anacostia Watershed Society Ann's Backyard Forest Audubon Maryland-DC **Beyond Pesticides** Binghamton-Johnson City Join Sewage Board Cecil Land Use Association **Center for Progressive Reform Chesapeake Bay Foundation Chesapeake Bay Trust** Chesapeake Conservancy **Choose Clean Water Coalition** City of Chesapeake, Virginia **Clean Chesapeake Coalition** Clean Water Action Coalition for Smarter Growth Coastal Conservation Association, Maryland **Conservation Pennsylvania** Eastern Shore Land Conservancy **Elizabeth River Project**

Environmental Finance Center, UMD Friends of the Rappahannock HRSD James River Association Lower Susquehanna Riverkeeper MAMWA Maryland Conservation Council Maryland Environmental Health Network Maryland Pesticide Network Maryland State Builders Association Metropolitan Washington Council of Governments Midshore Riverkeeper Conservancy National Parks Conservation Association National Water Quality Trading Alliance National Wildlife Federation Natural Resources Defense Council **Otsego County Soil and Water Conservation District** Penn Future PennAg Pennsylvania Campaign for Clean Water Pennsylvania Farm Bureau Potomac Conservancy Potomac Riverkeeper

Rock Creek Conservancy Sierra Club Sierra Club, Pennsylvania Chapter Southern Environmental Law Center State Water Quality Advisory Committee Stewards of the Lower Susquehanna, Inc. Stormwater Workgroup, Choose Clean Water Coalition Susquehanna Greenway Partnership The Nature Conservancy Trash Free Maryland Alliance Trout Unlimited Upper Susquehanna Coalition VAMWA Virginia Agribusiness Council Virginia Association of Soil & Water Conservation Districts Virginia Conservation Network Virginia Grain Producers Association Virginia League of Conservation Voters We Act West Virginia Rivers Coalition Wetlands Watch

<u>Individuals</u>

Gerald W. Winegrad Wayne T. Gilchrest Joseph D. Tydings Tom Horton Gerrit-Jan Knaap Robert, A. Bachman Barbara Samorajczyk Diana L. Muller Ellen Moyer Fred Kelly Frederick Tutman Kurt Riegel Kathy Phillips **Ray Sullivan** Michael R Helfrich Timothy D. Junkin **Robert Gallagher** Josh Tulkin Suzanne Pogell **Russell B. Stevenson** Delegate C. Richard D'Amato Jeff Kelble Joanna Diamond **Brian Oates** Greg Kolarik Sandra Martin Bonita Mochan Shari Glenn

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Tom Hurt James Jeffrey Gene Karpinski Joyce T. Kerns Fred Lavy David Leithauser Gwynn Litchfield Lois Lommel Selma Lynch Ann Mallek Donna Malvin Marjorie Merkey Derek Meyer Allen Muchnick Joel Mulder Bernard Nagelvoort **George Paine** Kristin Peckman Michelle Powell **Gray Puryear** Peter Richardson Sue Ridd Edward Savage Ken Seely Judith Shematek Debbie Slack **Raymond Smith** Sheryl Smith Maya White Sparks

Marilvn South Judith Steel Michael Testerman Stephen Vandivere Patricia VonOhlen Evelvn Waring Christa Watters Sandra Wilson Deborah Wooten Melinda Allanson Donna Almquist Sholey Argani Katherine Babiak Kristopher Baptiste Dave Bard Ellen E. Barfield Kathleen Bartolomeo Cathy Barton Kathleen Bentley Ruth Berlin Bonnie Bick Judy Billage Catherine Bisnett **Rvan Bradley Charlotte Brewer** Robin Broder Alan Bromborsky **Kirsten Burger** John Cabala

Vicki Carter **Beverly Chemai** Angela Christman Bruce Collette, Ph.D. Mimi Cooper G. Countryman-Mills Rockville, MD Catherine Cummings Michael C. Davie Daren Davis Randy Davis Lawrie Deering Daniel Dewberry Helena Doerr **Russell Donnelly** Patti Doyen **Deborah Duley** Wayne Dusa Elizabeth Elkins **Ross Feldner** Vicki Ferguson Harvey Fernbach Stuart Fields Mary Aloyse Firestone Barb France Timothy Furst Margaret Gallagher **Robert Gammon Bob Garber**

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Cary Mov **Dixie Mullineaux** Robert K. Musil **Christopher Nelson** Jean Newcomb Pam Orr Alice Parks Heather Phipps **Bobbi Ponce-Barger** Steven Porter Rebecca Poston Heidi Pringle Cvnthia Privitera **Bonnie Raindrop** Jacob R. Raitt Carol Reinsberg Gail Rice Ira Rifkim Erin Riggin **Rebecca Ruggles** Patti Ruocco John Sackett **Carol Schreter Christopher Schutz** Kurt Schwarz Martha Scott **Rita Sellers** Benna Sherman **Rusty Simpson** Claudia Smith Clive Smith Kate Campbell Stevenson

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Brenda Carroll Joel Becker Tom Coleman Matt Shultz Dave Schulte Sara Painter К James Blair David Gravbill Tim Elder Jerry O'Connor **Monty Hawkins** Rita Varlev Michael Keene Melissa Bailev **Gregory Moser** A. Jay Peikin Chris Taneyhill Dennis S. Justin Weiser Margie Taneyhill Icetrout Carolyn Kulesza Samuel Owings David Conlon Severn Savage Allen Straughan Jim Robert Cox Marc Miller Jim Crable Jeff Minnick

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Version 2.1; May 15, 2014 Jean Newcomb Gerrit Crouse Elizabeth Johns Deirdre Payne **Deverell Pedersen** Bonnie Dixon Abigail Adelman Nitin Agarwal R. Agarwal **Ravindra Agarwal** Mary Aist Asadullah Akhund John Akwei **Charles Alexander** Nancy Allgaier Kathy Allison Anne Ambler Melora Anderson Steve Anderson **Diance Andrulonis** Andres Antuna Sholey Argani Fredrick Ateto **Dominic Austin** Gillian Austin Elizabeth Awuah John Bahen Badia Baker **Katherine Baker** Marilyn Baker JR Ball William Ballweber

Richard Bank Susan Bannister **Clifford Barr** James Barrett Jeanette Bartelt William Bartlett Kathleen Bartolomeo Cathy Bartin Anne Bastian Natalie Batovskev Ivano Battistella Craig Beach Linda Beam Willa Beam Debra Bean Froydis Beckerman **Gerald Beemer** Christel Bel Agnieszka Beletsky Jennie Bell Michael Benedict **Rich Bianchi** Bonnie Bick Barbara Bien Catharine Billey Michael Berla Joseph Blair Madeleine Blake Erik Bloom Susan Blount Bryan Boeskin Katherine Boeskin

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Donald Gangloff Xavier Garcia Sharon Garlena Elizabeth Gelfeld Moira Gentry-Moore Gaciela Gerber Romola Ghulamali K. Gibbs Ariana Giles **Carol Gillingham** Sarah Glacken Ruth Goldbloom Robert Gole David Gonzalet Gustavo Gonzalez Vanessa Gonzalez-Green Jim Gordon Jennie Gosche **Barbara Gottlieb** Naomi Gottlieb-Miller Debbie Gousha Paul Grabenstein Dori Grasso Joan Green Anne Greene Rebecca Gregory Joan Gugerty Kay Guinane Ann Gumula Gosha Gurvich Diane Gutterman Mary Haber

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Ken Howard Tara Huber John Hudson Mary Humphrey David Hurley Carol Hutton Victoria lannantuono L. lannuzzi Laurel Imlay Linda Immler Andrew Ireland Yvonne Irvin **Edward Joell** Julia Jackson Sheena Jacob Maile Jacobson Susan Jacobson Anthony James Edward Jarman Maria Jaunakais Rebecca Jessop Patty Johnson Spiros Johnson Allison Jones **Gregory Jones** Dale Jordan Stephanie Joyner Lewis Junior Jessica Justice **Ronald Kaltenbaugh Robyn Kanter** Janet Karasinski

Sondra Katz Doug Kelley Karen Kerber Susan Kern John Kester Geoffrey Kidd Maurice Kindle **Beatrice Kingsbury** Gongsan Kim Amanda Kistler Debbie Kleinmann Kim Klump Brad Knopf Harry Knox Sue Mi Ko Arlene Koby Elizabeth Koopman Jane Kostenko Ildiko Kovach Talia Kowitt George Kramer Terry Krebs Kristin Kreit **Kevin Kriescher** Anu Krishnamoorthy Joy Kroeger-Mappes Hillary Kruh Lisa Kuder Krista Kurth Gila Landman E. Anthony Langbehn Melissa Langrehr

David Larrabee Dina Lassow Francis Lattanzi **Kenneth Laureys** David LaVallee **Raymond Laverghetta** Marguerite Lavine Meya Law Harry Lelffmann Valerie Leonard Gary Lepore Susan Levine Ava Lewis **Beverly Lewis** Dudley Lindsley **Richard Lipman** Lynn Liptak Taina Litwak Pamela Livermore James Llewellvn Sandra Llewellyn Mark Long Ed Lough John Lowe Diane Lowe Arvin Lubetkin Nicole Lust Janice Ma Robert Macluskie Simon Magaziner Lynn Maher John Mahoney

Version 2.1; May 15, 2014 Dohne Malkin Sophia Maravell **Catherine Marcoux** Mandy Marcuccilli-Strop Albert J. Martin John Martin Rachel Martin Jennifer Martucci George Maslar Edamire Mattei **Bernard Matus** William Maynard John McCannon Charles McCaslin Claire McCullough Tim McDougall Daniel McDonald Georgia McDonald Christine McElroy Edgar McFadden Thomas McGonigle Eric McKenzie Anna McNaught Douglas McNeill Ellen McNeirney Gayl Meier Tatiana Mendez Patricia Mensing Nicholas Metheny Nancy Meyer Chris Miller Jane I. Miller Fuller

Kathryn Miller Laurie Miller Maxine Miller Hope Millington Amanda Milster Sunil Misra Kenneth Mitchell Jacqueline Mitchell Corrinne Mohnasky C. Albert Morev Carla Morris Maryellen Morris **Carlene Moscatt** J. Moss Debby Mount Kathy Mulhern Meghan Mulkerin **Dixie Mullineaux Ronald Mutchnik** Charles Myers Jeffrey Myers **Rosalie Nabors** Hikari Nakamoto **Curtis Neiderer** E. Neiman Christopher Nelson Linda Nelson Robert Nelson Stephen Nelson Eugenia Newberg Chris Nicholson Simone Nicholson

Mark Nigro Maria Novitskava Frances Nvce Marie P. O'Brien Helen O'Connell Paul O'Hearn David O'Leary Patricia O'Leary Mary Olson Bernadette Onvenaka Heather O'Regan Jacki O'Reilly Alan Oresky Nick Orrick Jacek Orzechowski Todd Osborn Carlos Osorio Louis Ostrach Connie Otto Julie Parcells Stanton Paris Kay Parnes Sarah Parr Christina Parry **Barbara Patalics David Pearl** Lorraine Pearsall **Cass Peluso** Kathy Penn Jessica Peraza **Ronald Perkins** Sarah Peters

Eugene Peterson Roger Peterson Michael Phelps James Phillips Lynne Phillips Paula Phillips Nancy Pirtle-Connelly Marie Plante Andrea Plautz April Plummer Sam Poikail **Eugene Pometto Robert Posner** Dana Powers Heather Whitney Price Stephen Price Catherine Pringle Heidi Pringle Carol Purcell Tim Pvne Gale Quist Jennifer Range Laura Rankin Linda Redding Jane Redmond Sue Reeb E. Ann Reindollar Carol Reinsberg Dave Renaud Jessica Revnolds Donna Rice **Bishopcephas Richardson** Carol Richardson Ktr Richmond **Carolvn Ricketts** Barbara Risacher David Riston Edgar Rivas Janet Rivas Minerva Rivera Therese Robbins Joseph Roberts Howard Robinson Carolyn Roeder Patricia Rodriguez Gayle B. Rosenberry **Benjamin Roth** Rita Rotunno M. Roxbury Larry Rubinstein Alan Rudan Lisa Ruthman Kathryn Ruud Luisa Saffiotti Linda Safley Maxwell Sanborn Felicidad Sanchez Jessica Sanderson Leigh Sands Albert Sanguillen Mark Santangelo Ellen Scaruffi Michael Scepaniak Ke Schaffer

Virginia Schaible Pamela Schaming Nancy Scherer Patricia Schermerhorn Holly Schisler **Ronald Schlesinger** Martha Schley Janet Schlosser Ted Schmeckpeper **Christine Schmitthenner Ron Schorb** Anna Schrad Jody Schulman Joette Schulman Shana Schwartzberg Brayton Veron Ica Schweyen Martha Scott **Douglas Sedon** Jim Seewagen May Ruth Seidel Lynne Sendejo Wayne Shankel Rhona Shanker **Richard Shannahan** Leo Shapiro Alma Sharp Carrie Shaw Shannon Shea Steve Sheffield Mary Beth Sheridan **Omar Siddique**

Version 2.1; May 15, 2014 Jaime Sigaran Thamnu Sihsobhon Linda Silversmith Michele Shipp Mary Silva Jane Skillman Betsy Slack Leigh Slater Clive Smith David Smith Linda Smith Ruth Smith Sebastian Smoot Joan Snyder Michael Sodos Phillip Sokolove Lawrence Somer David Somerville **Robert Sorev** Marian Soriano Jeffrey Spendelow Nancy Stafford Merry Stinson Renee Stockdale-Homic Mark Stolorow **David Storm** Wayne Straight Janice Strange Patricia Strawbridge Kathleen Stumpfel Anne Sturm Sirina Sucklal

Clarence Sutton Diane Swanson Art Sweeny Mark Sweenv David Tagliente **Dorothy Tartaglia** Cynthia Taylor Louise Taylor Merideth Taylor Stephen Taylor Sallie Temple Carla Tevelow Elizabeth Tevelow Algar Thagne Tom Thayer Gene Theroux

Nathan P. Thomas, Sr. Crystal Thompson Dana Thompson Julie Thompson Herbert Thomson Alexander Thuronyi Jessalyn Timson Marta Tomic Ferold Torchenot Janis Totham-Davies Teresa Trucksess Christina Tseng Dawn Turner Morris Turner **Catherine Uruburo** Holly Utz

James Vance Liz Vanden Heuvel J. B. Van Wely Patricia Vargas Lisa Vaughan Nicole Veltre Daniel Vice Irene Villapol Bridgette Vitilio Art Wagner Brian Waidler **Beverly Waidler** Tracey Waite **Douglas Waldrop** Theresa Waldspurger Susan Walker

Barbara Wall Jacqueline Walsh Helene Waranch Sean Ward Elke Wardlaw William Watkins Andy Watson Jacqueline Wayland Nancy Webb Hal Weinstock Stanley Weitzman Marilyn Weitzman Stephanie Welp John Welton Virginia Whalen Gerald White

Katherine White Robbie White Jemima Wiafe Darin Wight Frank Wilsey Molly Wilson Steve Wilson Leslie Winston Kurt Wittstadt Alan Wojtalik Nikki Wojtalik Jay Wolf Schlossberg-Cohen Debbie Wolfe Mary Wolfe Stacey Wolfe Kathleen Wolfrey

Version 2.1; May 15, 2014 Robert Woods Ellis Woodward Glen Worrell **Theresa Worrell** Sydney Wright Wynette Yao Chris Yoder Richard Young Phil Young William Young Michael Younkins Thad Zajdowicz Miyako Zeng Wayne Zink Katherine Zywan