HANDBOOK OF LOCAL GOVERNMENT FISCAL HEALTH

Edited by

Helisse Levine, PhD Long Island University

Jonathan B. Justice, PhD University of Delaware

Eric A. Scorsone, PhD Michigan State University



World Headquarters Jones & Bartlett Learning 5 Wall Street Burlington, MA 01803 978-443-5000 info@jblearning.com www.jblearning.com

Jones & Bartlett Learning books and products are available through most bookstores and online booksellers. To contact Jones & Bartlett Learning directly, call 800-832-0034, fax 978-443-8000, or visit our website, www.jblearning.com.

Substantial discounts on bulk quantities of Jones & Bartlett Learning publications are available to corporations, professional associations, and other qualified organizations. For details and specific discount information, contact the special sales department at Jones & Bartlett Learning via the above contact information or send an email to specialsales@jblearning.com.

Copyright © 2013 by Jones & Bartlett Learning, LLC, an Ascend Learning Company

All rights reserved. No part of the material protected by this copyright may be reproduced or utilized in any form, electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without written permission from the copyright owner.

This publication is designed to provide accurate and authoritative information in regard to the Subject Matter covered. It is sold with the understanding that the publisher is not engaged in rendering legal, accounting, or other professional service. If legal advice or other expert assistance is required, the service of a competent professional person should be sought.

Handbook of Local Government Fiscal Health is an independent publication and has not been authorized, sponsored, or otherwise approved by the owners of the trademarks or service marks referenced in this product.

Some images in this book feature models. These models do not necessarily endorse, represent, or participate in the activities represented in the images.

Production Credits

Publisher: Michael Brown
Managing Editor: Maro Gartside
Editorial Assistant: Chloe Falivene
Editorial Assistant: Kayla Dos Santos
Production Assistant: Rebekah Linga
Senior Marketing Manager: Sophie Fleck Teague
Manufacturing and Inventory Control

Supervisor: Amy Bacus

Composition: Cenveo Publisher Services Cover Design: Scott Moden Cover Image: © Unscrew/ShutterStock, Inc. Printing and Binding: Edwards Brothers Malloy Cover Printing: Edwards Brothers Malloy

Library of Congress Cataloging-in-Publication Data

Levine, Helisse.

Handbook of local government fiscal health / Helisse Levine, Jonathan B. Justice, and Eric Scorsone.—1st ed. p. cm.

Includes bibliographical references and index.

ISBN 978-0-7637-9230-5 (pbk.)—ISBN 0-7637-9230-6 (pbk.) 1. Local finance—United States. 2. Local government—United States. I. Justice, Jonathan B. II. Scorsone, Eric A. (Eric Anthony) III. Title.

HJ9145.L485 2012 336'.01473—dc23

2011044781

6048

Printed in the United States of America 16 15 14 13 12 10 9 8 7 6 5 4 3 2 1

Contents

Foreword		.xiii
Contributors	S	xvii
Chapter 1	Introduction	1
	by Eric A. Scorsone, Helisse Levine, and Jonathan B. Justice	
	Reference	7
Part I	Fiscal Health and Sustainability Concepts and Measures	
Chapter 2	Assessing the Financial Condition of Local Governments: What Is	
	Financial Condition and How Is It Measured?	11
	by Benoy Jacob and Rebecca Hendrick	
	Introduction	11
	The Concept of Financial Condition	12
	The Components of Financial Condition	18
	Strategic Decision Making	27
	Strategies for Measuring Financial Condition	31
	Conclusion	35
	Endnotes	36
	Glossary	37
	Discussion Questions	39
	Recommended Resources	39
	References	40

Chapter 3	Measuring and Predicting Local Government Fiscal Stress: Theory and Practice	43
	by Jonathan B. Justice and Eric A. Scorsone	10
	Introduction	43
	Concepts of Fiscal Health and Stress	
	U.S. Historical Context: Salient Episodes and Responses	
	Modeling the Causes and Characteristics of Fiscal Stress	
	Practicalities of Diagnosis and Prediction	
	Some Construction Notes	64
	Conclusion	66
	Recommended Resources	67
	Endnotes	68
	Glossary	69
	Discussion Questions	70
	References	70
Part II	Financial Reporting and Modeling	
I alt II	1 8 8	
	The Development of External Financial Reporting and Its Relationship to the Assessment of Fiscal Health and Stress	77
	The Development of External Financial Reporting and Its	77
	The Development of External Financial Reporting and Its Relationship to the Assessment of Fiscal Health and Stress	
	The Development of External Financial Reporting and Its Relationship to the Assessment of Fiscal Health and Stress by Dean Michael Mead	77
	The Development of External Financial Reporting and Its Relationship to the Assessment of Fiscal Health and Stress by Dean Michael Mead Introduction Professionalizing State and Local Government Financial Management	77 77
	The Development of External Financial Reporting and Its Relationship to the Assessment of Fiscal Health and Stress	77 77 81
	The Development of External Financial Reporting and Its Relationship to the Assessment of Fiscal Health and Stress by Dean Michael Mead Introduction Professionalizing State and Local Government Financial Management in Response to Fiscal Stress The Standardization of Governmental Accounting.	77 77 81
	The Development of External Financial Reporting and Its Relationship to the Assessment of Fiscal Health and Stress by Dean Michael Mead Introduction Professionalizing State and Local Government Financial Management in Response to Fiscal Stress The Standardization of Governmental Accounting Traditional Approaches to Assessing Fiscal Health and Stress Based on Financial Reporting	77 77 81 84
	The Development of External Financial Reporting and Its Relationship to the Assessment of Fiscal Health and Stress by Dean Michael Mead Introduction Professionalizing State and Local Government Financial Management in Response to Fiscal Stress The Standardization of Governmental Accounting. Traditional Approaches to Assessing Fiscal Health and Stress Based on Financial Reporting. The Advent of Consolidated Full Accrual Accounting.	77 81 84 92 115
	The Development of External Financial Reporting and Its Relationship to the Assessment of Fiscal Health and Stress	77 81 84 92 115
	The Development of External Financial Reporting and Its Relationship to the Assessment of Fiscal Health and Stress by Dean Michael Mead Introduction Professionalizing State and Local Government Financial Management in Response to Fiscal Stress The Standardization of Governmental Accounting Traditional Approaches to Assessing Fiscal Health and Stress Based on Financial Reporting The Advent of Consolidated Full Accrual Accounting Fiscal Health and Stress Analysis after Statements 34 and 44 Conclusion	77 81 84 92 115 120
	The Development of External Financial Reporting and Its Relationship to the Assessment of Fiscal Health and Stress by Dean Michael Mead Introduction Professionalizing State and Local Government Financial Management in Response to Fiscal Stress The Standardization of Governmental Accounting. Traditional Approaches to Assessing Fiscal Health and Stress Based on Financial Reporting. The Advent of Consolidated Full Accrual Accounting. Fiscal Health and Stress Analysis after Statements 34 and 44. Conclusion Endnotes.	77 81 84 92 115 118 120 121
	The Development of External Financial Reporting and Its Relationship to the Assessment of Fiscal Health and Stress by Dean Michael Mead Introduction Professionalizing State and Local Government Financial Management in Response to Fiscal Stress The Standardization of Governmental Accounting Traditional Approaches to Assessing Fiscal Health and Stress Based on Financial Reporting The Advent of Consolidated Full Accrual Accounting Fiscal Health and Stress Analysis after Statements 34 and 44 Conclusion Endnotes Glossary	77 81 84 92 115 118 120 121 122

Chapter 5	Long-Term Forecasting	125
	by Kenneth A. Kriz	
	Introduction	125
	Definitions and Principles	126
	Forecast Models	135
	Model Validation and Error Measurement	149
	Conclusion	150
	Endnotes	151
	Glossary	151
	Discussion Questions	152
	Recommended Resources	153
	References	154
Part III	Pensions and Other Postemployment Benefits	
Chapter 6	Postemployment Benefits and Fiscal Analysis	159
	by Dean Michael Mead	
	Introduction	159
	Overview of Postemployment Benefits	160
	Measuring Postemployment Benefit Costs and Obligations	161
	Key Postemployment Benefit Information	163
	The Place of Postemployment Benefits in Fiscal Health Assessments	172
	The Future of Postemployment Benefit Information	
	Endnotes	
	Glossary	
	Discussion Questions	
	Recommended Resources	
	References	
		101
Chapter 7	Sustainable Approaches to Retiree Benefits: Options and Implementation for Program Design and Financing	183
	by Jun Peng	
	Introduction	183
	Basic Features of Benefit Plans	185

	Pension Reform	186
	Summary	196
	OPEB	196
	Conclusion	200
	Endnotes	201
	Glossary	202
	Discussion Questions	202
	Recommended Resources	203
	References	203
Part IV	Revenue Elasticity and Adequacy	
Chapter 8	Public-Finance and Fiscal-Federalism Perspectives on Local Government Revenue Bases and Fiscal Sustainability	207
	by Donijo Robbins	
	Introduction	207
	Why Government Does What It Does	207
	Which Layer of Government Provides Goods and Services	209
	How Government Intervenes	210
	The Effect of Fiscal Federalism on Local Governments	212
	Conclusion	222
	Endnotes	222
	Glossary	223
	Discussion Questions	223
	Recommended Resources	223
	References	224
Chapter 9	Understanding and Measuring Revenue Elasticity, Volatility, and Implications for Local Government Fiscal Health	225
	by Deborah A. Carroll and Christopher B. Goodman	
	Introduction	225
	An Illustration of Fiscal Health	226
	Revenue Elasticity and Implications for Volatility	230
	Composition of Revenue Structures	240

	Volatility of Resource Flows and Fiscal Health	245
	Endnotes	247
	Glossary	248
	Discussion Questions	248
	Recommended Resources	249
	References	249
Part V	Business Cycle, Bubbles, and Reserve Funds: Cutback Manageme for the 21st Century	ent
Chapter 10	Fiscal Stress and Cutback Management among State and Local Governments: What Have We Learned and What Remains to Be Learned?	253
	by Christina Plerhoples and Eric A. Scorsone	
	Introduction	253
	Cutback Management and Budgeting	254
	The Effects of Different Cutback Strategies	274
	Recommending Strategies for Cutback Management	
	What Have We Learned?	276
	What Remains to be Learned?	278
	Conclusion	278
	Endnotes	279
	Glossary	279
	Discussion Questions	280
	Recommended Resources	280
	References	280
Chapter 11	A Framework for Deciphering and Managing the Fiscal Environmen	ıt 285
	by Josephine M. LaPlante	
	Introduction	285
	Research on the Fiscal Status of Local Governments	287
	The Visual Fiscal Framework	293
	Revenue Capacity	301
	Comparative Analysis	310
	Conclusion	313

	Glossary	314
	Discussion Questions	316
	Recommended Resources	316
	References	316
Chapter 12	Fiscal Slack, Reserves, and Rainy-Day Funds	321
	by Justin Marlowe	
	Introduction	321
	Types of Slack	323
	Fund Balance	323
	Net Assets	324
	Budget-Based Measures	326
	Slack Resource Levels	327
	Theory and Evidence on the Slack-Financial Condition Link	329
	Expenditure Stabilization	330
	Revenue Volatility	334
	Credit Quality	335
	GASB 54 and the Future of Financial Slack	336
	Conclusion	338
	Discussion Questions	339
	Glossary	339
	Recommended Resources	340
	References	340
Chapter 13	Managing Investments and Investment Risk	343
	by William G. Albrecht	
	Introduction	343
	The Concept of Opportunity Loss	344
	Delineating Risk	346
	Managing Risk	353
	Conclusion	358
	Endnotes	359
	Glossary	360
	Discussion Questions	360

	Recommended Resources	361
	References	361
	Appendix	363
Part VI	Intergovernmental and Institutional Considerations	
Chapter 14	Local Government Fiscal Health: An Intergovernmental Perspec	tive367
	by Beth Walter Honadle	
	Introduction	368
	The Structure of Government in the United States	369
	Types of Local Government	369
	Numerical Trends in Types of Governments	371
	Variety Abounds	375
	Conceptual Framework	376
	Local Government Absent Intergovernmental Relations?	377
	Enter Intergovernmental Relations	378
	Implications for Fiscal Health of Local Governments	381
	Conclusion	383
	Discussion Questions	384
	Recommended Resources	384
	Keywords	385
	Acknowledgment	385
	Endnotes	385
	References	385
Chapter 15	Monitoring the Fiscal Health of America's Cities	387
	by Lynne A. Weikart	
	Introduction	387
	The Federal Role	388
	The State Role in Monitoring the Cities' Fiscal Health	390
	Municipal Level	395
	Alternative Institutions Building Capacity	396
	Bond Rating Agencies	397
	Nonprofits	398

	Conclusion	400
	Endnotes	401
	Glossary	401
	Discussion Questions	402
	Recommended Resources	402
	References	403
Chapter 16	Measuring the Impacts of TELs on Municipal Financial Conditions	405
	by Craig S. Maher and Steven C. Deller	
	Introduction	405
	Literature Review	406
	Methodology	414
	Results	419
	Conclusion	422
	Endnotes	424
	Glossary	425
	Discussion Questions	425
	Recommended Resources	425
	References	426
Chapter 17	The Defragmentation of Authority: A Consolidation Approach to Public Service Delivery	431
	by Helisse Levine	
	Introduction	431
	Background and Literature Review	432
	Nassau County School Districts	435
	Conclusion	442
	Endnotes	443
	Glossary	444
	Discussion Questions	444
	Recommended Resources	444
	References	445
	Appendix A: Consolidated School Districts in Nassau County	447
	Appendix B: Average Tax and Savings by Nassau County	
	School District	448

Part VII	Debt Capacity, Management, and Policy	
Chapter 18	Measuring and Monitoring Debt Capacity and Affordability: Market- and Nonmarket-Based Models	453
	by Kenneth A. Kriz and Qiushi Wang	
	Introduction	453
	Background	454
	Traditional Debt Capacity Models	456
	Debt Ceiling	457
	Bond-Rating Orientation	458
	Benchmarking	460
	Linear Regression Approach	463
	Assessment of Traditional Models	464
	New Approaches to Assessing Debt Capacity	465
	Conclusion	468
	Endnotes	469
	Glossary	469
	Discussion Questions	470
	Recommended Resources	470
	References	471
	Appendix A: Water and Sewer Rating Criteria	472
	Appendix B: Debt Affordability Indicators	473
	Appendix C: Analytical Characterizations of Ratios	473
	Appendix D: Selected 2007 Medians for All Standard & Poor's Local Government General Obligation Ratings	474
Chapter 19	State Fiscal Constraints on Local Government Borrowing: Effects on Scale and Cost	475
	by Juita-Elena (Wie) Yusuf, Jacob Fowles, Cleopatra Grizzle, and Gao Liu	
	Introduction	475
	Debt Limits and Debt Restrictions	478
	Bond Referenda Requirements	480
	Tax and Expenditure Limits	482
	Empirical Findings	491

	Conclusion	495
	Endnote	498
	Glossary	498
	Discussion Questions	499
	Recommended Resources	500
	References	501
Chapter 20	Good Debt, Gone Bad: The 2007–2009 Crisis in Municipal Debt Markets	505
	by Gary R. Rassel and Robert S. Kravchuk	
	Introduction	505
	A Cautionary Tale	506
	Development of the U.S. Municipal Debt Market	508
	The Recent Market Turmoil	511
	Historical Default Rates	513
	Recent Developments in Key Market Segments	515
	Auction-Rate Securities	517
	The Future	519
	Credit Enhancement and the Future of Bond Insurance	519
	Is There a Future for Variable Rate Debt?	520
	The Future of the Municipal Bond Market: Buyers and Sellers	522
	Conclusion	524
	Endnotes	526
	Glossary	527
	Discussion Questions	529
	Recommended Resources	530
	References	530
	Appendix: The Municipal Debt Market	532
	Indov	522

Foreword

The time is right for this book. We have been experiencing a deep recession, the national government's programs to help the local governments through the recession have been terminated, teachers throughout the country are receiving pink slips, public pension benefits are being cut back, and some cities and counties have declared bankruptcy or come very close to it. Vallejo, California, declared bankruptcy in May 2008, a victim of the burst housing bubble in California. In November 2011, Jefferson County, Alabama, entered bankruptcy, caused by a combination of a sewer bond gone wrong, corruption, overspending, a devastating tornado, and a drop in revenues. By the end of 2011, public safety retirees had agreed to accept pension cuts in negotiations with bankrupt Central Falls, Rhode Island. Detroit, Michigan and Harrisburg, Pennsylvania were engaged in contentious wrangles over possibilities for retrenchment, state takeovers, or Chapter 9 filings. Michigan had appointed emergency managers to run the cities of Benton Harbor, Flint, and Ecorse, as well as the Detroit School District. Of course, not all cities are quite this seriously in trouble, and few observers lend credence to predictions of a massive wave of municipal bond defaults, but the loss of property tax revenues from the housing market collapse combined with state reductions in aid because of their own problems, and the failure of many pension funds because of stock market drops has affected many if not most U.S. cities, counties, and school districts. This book will not solve all these problems, but it should make many of them seem more manageable.

This book is impressive, first, because of its scope. I think it is fair to say that local government fiscal health has never before been addressed simultaneously from so many different vantage points. The topic coverage is nothing short of stunning, from tax and expenditure limitations to the intergovernmental revenue system, from postemployment benefits to slack and rainy-day funds, from definitions and problem identification to causes, solutions, and impacts over the short and long haul. Second, this book is impressive for its depth, covering in detail the literature on each topic, offering case studies,

recent cross-sectional data, and original analysis, and for putting issues into historical context. The essays, each written by known scholars in their fields, fit together, overlapping and providing context and support for each other. In my experience such thoughtful combinations of essays are rare. Third, this book is impressive because it moves beyond the literature: it links a thoughtful sifting of the literature with current research to formulate practical advice for public officials struggling with fiscal stress.

The aim of the book is not, however, to formulate a set of rules that can be used without much thought. The unstated premise of the book is that public managers don't need a how-to manual, but rather a deeper understanding of what is going on. They need to be able to identify problems down the road, not just current budgetary imbalances, and they need to be able to link the problems they see with a specific set of solutions.

Revenue mixes are changing, with what effect? To what extent are local fiscal problems brought about by overly elastic revenue bases that grow with good economic times but fall too quickly, too far when the economy falters? What should you do if your revenue mix is likely to generate too much volatility? What do you need to project, in the way of revenues, or expenditures, or the effects of tax increases, or declines in the selling prices of housing? How do you make such projections and how much trust should you put in short-term versus long-term models? How good a basis are such projections for policymaking? Many financial advice givers, including bond-rating agencies, have insisted that contingency funds of various sorts should be squirreled away during the boom years to smooth revenue declines during periods of recession if revenues are overly elastic—but does this work? Does it matter what form the savings take or how they are actually used? What about tax and expenditure limitations (TELs): are they a major contributor to fiscal stress, or would revenue increases have been off the table for political reasons regardless of the so-called TELs? No matter what the question, these authors take the reader a little deeper into the subject. Even those readers who know a lot about finance, and have a good grasp of how local officials deal with fiscal stress, will find something new in these chapters, something that will deepen their understanding or change the way they think about a given problem.

Academics and their students as well as practitioners will find this book satisfying, though they may focus on different aspects of the presentations. The manner in which fiscal stress is portrayed results in a good understanding of local public finance more generally, the constraints on revenue and spending, the intergovernmental system, the tax mix, and revenue projections. The authors are thoughtful in their reviews of the literature, generally showing the weaknesses as well as the conclusions, pointing out where better reporting, more consistent time series data, or more sophisticated analysis is needed. They also point to avenues for future research, the logically important topics that have not yet been discussed in the academic literature. Equally important, the book represents a kind of model of how intellectual discussion should proceed, from thoughtful analysis of what

is to be measured, to how various measures work and their shortcomings, to a careful look at the problems from nearly all possible angles. The authors home in on specifics and back off to show the forest as well as the trees.

The chapters are generally well written and free of most academic jargon, and where technical terms are used, they are defined and explained. It is easy and rewarding to dip into individual chapters without necessarily committing oneself to reading the whole book. This book is welcome, not only for its timeliness and practical usefulness but also for revivifying a literature that had begun to stultify. It is difficult to know what one can say that is new or useful about municipal fiscal stress, but this book points the way.

Irene Rubin, Professor Emerita Northern Illinois University

Contributors

William G. Albrecht, PhD

Associate Professor Department of Public Administration University of North Carolina at Pembroke

Deborah A. Carroll, PhD

Associate Professor Department of Public Administration and Policy University of Georgia

Steven C. Deller, PhD

Professor Agricultural and Applied Economics University of Wisconsin-Madison

Jacob Fowles, PhD

Assistant Professor School of Public Affairs and Administration University of Kansas

Christopher B. Goodman, MPA

Doctoral Candidate
Department of Public Administration
and Policy
University of Georgia

Cleopatra Grizzle, PhD

Assistant Professor School of Public Affairs and Administration Rutgers University-Newark

Rebecca Hendrick, PhD

Associate Professor Department of Public Administration University of Illinois at Chicago

Beth Walter Honadle, PhD

Professor of Planning College of Design, Architecture, Art, and Planning University of Cincinnati

Benoy Jacob, PhD

Assistant Professor School of Public Affairs University of Colorado-Denver

Robert S. Kravchuk, PhD

Professor
Department of Political Science and Public
Administration
University of North Carolina at Charlotte

Kenneth A. Kriz, PhD

Associate Professor School of Public Administration University of Nebraska-Omaha

Josephine M. LaPlante, PhD

Associate Professor Muskie School of Public Service University of Southern Maine

xvii

Gao Liu, PhD

Assistant Professor School of Public Administration University of New Mexico

Craig S. Maher, PhD

Associate Professor Department of Public Administration University of Wisconsin-Oshkosh

Justin Marlowe, PhD

Assistant Professor Daniel J. Evans School of Public Affairs University of Washington

Dean Michael Mead

Research Manager Governmental Accounting Standards Board Lecturer Rutgers Business School Rutgers University

Jun Peng, PhD

Associate Professor School of Government and Public Policy University of Arizona

Christina Plerhoples, MA

Doctoral Candidate
Department of Agricultural, Food, and
Resource Economics
Michigan State University

Gary R. Rassel, PhD

Associate Professor

Department of Political Science and Public
Administration

University of North Carolina at Charlotte

Donijo Robbins, PhD

Professor School of Public, Nonprofit, and Health Administration Grand Valley State University

Qiushi Wang, PhD

Assistant Professor School of Public Affairs and Administration Rutgers University-Newark

Lynne A. Weikart, PhD

Practitioner-in-Residence Political Science Department James Madison University

Juita-Elena (Wie) Yusuf, PhD

Assistant Professor
Department of Urban Studies and Public
Administration
Old Dominion University