

# TABLE OF CONTENTS

Director’s Statement .....	iii
Conference Program .....	v
Conference Report .....	1
Senator Udall’s Opening Remarks .....	31
<b>Session One</b>	<b>Setting the Stage: Where is the Water and How Much Do We Have?</b>
	<i>Moderated by Phil King, New Mexico State University</i> .....
	41
	<i>New Mexico’s Water Budget</i>
	Sam Fernald, NM Water Resources Research Institute .....
	41
	<i>Climate Change</i>
	Dagmar Llewellyn, Bureau of Reclamation .....
	44
	<i>Deteriorating Water Infrastructure and Impact on Supply</i>
	Del Archuleta, Molzen-Corbin Associates .....
	46
	<i>The Transboundary Aquifer Assessment Project</i>
	Mike Darr, U.S. Geological Survey .....
	48
	<i>Status Quo of Water Rights in Times of Shortage: Legal and</i>
	<i>Environmental Constraints</i>
	Steve Vandiver, Rio Grande Water Conservation District, Alamosa, CO .....
	51
<b>Session Two</b>	<b>Water Users Perspectives: Agriculture, Municipal, Energy, and</b>
	<b>Environmental Sectors</b>
	<i>Moderated by Jeff Witte, New Mexico Department of Agriculture</i> .....
	53
	<i>Scarcity Impact on Acequias</i>
	Paula Garcia, New Mexico Acequia Association .....
	53
	<i>Municipal Water Reuse</i>
	Larry Webb, City of Rio Rancho, Public Works Department .....
	55
	<i>Algae Water Use</i>
	Richard Sayre, Los Alamos National Laboratory .....
	58
	<i>Protecting Our Natural Environment</i>
	Denise Fort, Utton Transboundary Resources Center .....
	60

<b>Straight Talk</b>	<b>Voices of Experience from the New Mexico Office of the Engineer</b> . . . . .	63
<b>Session Three</b>	<b>Building a Plan: Best Practices</b>	
	<i>Moderated by Michael L. Connor, Bureau of Reclamation</i> . . . . .	75
	<i>Environmental Water Transactions</i>	
	David Yardas, National Fish and Wildlife Foundation . . . . .	75
	<i>Water Leasing Market Experiments</i>	
	David Brookshire, University of New Mexico . . . . .	78
	<i>Rio Grande Basin Opportunities</i>	
	Lee Peters, Peters Law Firm, LLC . . . . .	79
	<i>Bridging the Gap—Transformational Solutions for a More Sustainable Water Future</i>	
	Howard Passell and Jesse Roach, Sandia National Laboratories, Dagmar Llewellyn, U.S. Bureau of Reclamation . . . . .	81
	<i>NSF Water Infrastructure Engineering Research Center</i>	
	Nirmala Khandan, New Mexico State University . . . . .	89
<b>Session Four</b>	<b>Can We Grow the Pie? Conservation and Supply Opportunities</b>	
	<i>Moderated by Bruce Thomson, University of New Mexico</i> . . . . .	91
	<i>Working Toward Net Zero</i>	
	Benny J. “BJ” Tomlinson, Fort Bliss Public Works . . . . .	91
	<i>Desalination Update</i>	
	Michael Gabaldon, Bureau of Reclamation . . . . .	93
	<i>Water Restoration</i>	
	Jack Chatfield, Canadian River Riparian Restoration Project . . . . .	94
	<i>Multiple Benefits of Pecos River Restoration</i>	
	Paul Tashjian, U.S. Fish and Wildlife Service . . . . .	97
	<i>Salinity Control</i>	
	Fred Phillips, New Mexico Tech. . . . .	99
<b>Poster Abstracts</b> . . . . .		103
<b>Participant List</b> . . . . .		137