Guggenheim Build America Bonds Managed Duration Trust Form N-Q October 30, 2015

#### UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549

#### FORM N-Q

# QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT COMPANY

Investment Company Act file number 811-22437

Guggenheim Build America Bonds Managed Duration Trust
(Exact name of registrant as specified in charter)

227 West Monroe Street, Chicago, IL 60606 (Address of principal executive offices) (Zip code)

Amy J. Lee

227 West Monroe Street, Chicago, IL 60606

(Name and address of agent for service)

Registrant's telephone number, including area code: (312) 827-0100

Date of fiscal year end: May 31

Date of reporting period: June 1, 2015 – August 31, 2015

Item 1. Schedule of Investments. Attached hereto.

#### SCHEDULE OF INVESTMENTS (Unaudited)

		Shares		Value
COMMON STOCKS†† - 0.0%**				
Communications - 0.0%**				
Cengage Learning Acquisitions, Inc.*		3,457	\$	90,315
Basic Materials - 0.0%**				
Mirabela Nickel Ltd.*		335,401		19,807
Total Common Stocks				
(Cost \$196,350)				110,122
PREFERRED STOCKS† - 1.2%				
Industrial - 1.2%				
Seaspan Corp.				
9.50%1,2		200,000		4,976,000
Financial - 0.0%**				
WhiteHorse II Ltd.				
due 06/15/17*,†††,2,3,4,5,6		200,000		20
GSC Partners CDO Fund V Ltd.				
due 11/20/16*,†††,3,4,5,6		475		_
Total Financial				20
Total Preferred Stocks				
(Cost \$5,020,709)				4,976,020
		Face		
		Amount		Value
MONEY MARKET FUND† - 0.3%				
Dreyfus Treasury Prime Cash Management	\$	1,052,170		1,052,170
Institutional Shares				
Total Money Market Fund				
(Cost \$1,052,170)				1,052,170
		Face		
		Amount		Value
MUNICIPAL BONDS†† - 111.0%				
California - 23.0%				
Los Angeles, California, Department of Water &	& Power Reve		rica Bonds7	
7.00% due 07/01/41		10,000,000		11,876,300
7.00% due 07/01/41		10,000,000		11,649,100
			able Ruild	
Santa Ana Unified School District, California, C	General Oblig	ation Bonds, Federal Tax	aoic Duna	
America Bonds7	General Oblig		abic Duna	
America Bonds7 7.10% due 08/01/40	General Oblig	7,755,000	able Bulld	10,064,284
America Bonds7	Š	7,755,000 2,245,000		10,064,284 2,752,774

7.70% due 11/01/30	10,000,000		12,137,401
Oakland Unified School District, County of Alameda, Cali	·	igation Bond	
2006,	,	C	,
Qualified School Construction Bonds, Series 2012B			
6.88% due 08/01/332	10,000,000		10,925,300
	Face		
	Amount		Value
MUNICIPAL BONDS†† - 111.0% (continued)			
California - 23.0% (continued)			
Long Beach Unified School District, California,			
Qualified School Construction Bonds, Federally			
Taxable, Election of 2008, General Obligation Bonds			
5.91% due 08/01/25 \$	7,500,000	\$	8,981,250
Riverside Community College District, Riverside			
County, California, Election of 2004 General			
Obligation Bonds, Taxable Build America Bonds7			
7.02% due 08/01/40	5,000,000		5,827,500
Metropolitan Water District, Southern California,			
Water Revenue Bonds, 2010 Authorization, Taxable			
Build America Bonds7			
6.95% due 07/01/40	5,000,000		5,795,400
Sonoma Valley Unified School District, General			
Obligation, Federally Taxable Bonds			
7.12% due 08/01/282	3,330,000		3,783,679
Culver City Redevelopment Agency, California,			
Taxable Tax Allocation Bonds, Culver City			
Redevelopment Project			
8.00% due 11/01/20	3,000,000		3,296,970
Monrovia Unified School District, Los Angeles			
County, California, Election of 2006 General			
Obligation Bonds, Build America Bonds, Federally			
Taxable7			
7.25% due 08/01/282	1,025,000		1,208,260
Cypress Elementary School District (Orange County,			
California), General Obligation Bonds, Direct Pay			
Qualified School Construction Bonds, 2008 Election			
6.65% due 08/01/252	660,000		777,836
6.05% due 08/01/212	340,000		381,701
Placentia-Yorba Linda Unified School District			
(Orange County, California), General Obligation			
Bonds, Federally Taxable Direct-Pay Qualified			
School Construction Bonds, Election of 2008			
5.40% due 02/01/262	1,000,000		1,139,640

#### SCHEDULE OF INVESTMENTS (Unaudited)

		Face		Valua
MUNICIPAL BONDS†† - 111.0% (continued)		Amount		Value
California - 23.0% (continued)				
Alhambra Unified School District, Elementary				
Schools Improvement District, Los Angeles Countries of the Countries of th	hw.			
California, Election of 2008 General Obligation	ıy,			
Bonds, Federally Taxable				
6.70% due 02/01/262	\$	500,000	\$	598,140
Total California	Ф	300,000	Ф	91,195,535
Illinois - 11.5%				71,173,333
Northern Illinois University, Auxiliary Facilities				
System Revenue Bonds, Build America Program,				
Taxable7				
8.15% due 04/01/41		5,000,000		5,752,700
7.95% due 04/01/352		4,500,000		5,148,945
Chicago, Illinois, Second Lien Wastewater		4,500,000		3,140,943
Transmission Revenue Project Bonds, Taxable Bu	:14			
America Bonds7	IIU			
6.90% due 01/01/40		5,100,000		5,728,320
Illinois, General Obligation Bonds, Taxable Build		3,100,000		3,720,320
America Bonds7				
7.35% due 07/01/35		5,000,000		5,360,150
City of Chicago Illinois General Obligation		3,000,000		3,300,130
Unlimited				
6.26% due 01/01/40		3,575,000		2,907,119
5.43% due 01/01/42		2,570,000		2,070,957
Chicago, Illinois, Board of Education, Unlimited		2,370,000		2,070,937
Tax General Obligation Bonds, Dedicated Revenu	00			
Taxable Build America Bonds7	es,			
6.52% due 12/01/402		5,000,000		4,460,700
County of Cook Illinois General Obligation		3,000,000		7,700,700
Unlimited				
6.23% due 11/15/342		4,210,000		4,343,500
Southwestern Illinois, Development Authority,		4,210,000		7,575,500
Taxable Local Government, Program Revenue				
Bonds, Flood Prevention District Council Project,				
Recovery Zone Economic Development Bonds				
7.23% due 10/15/352		3,000,000		3,372,990
Chicago, Illinois, Second Lien Water Revenue		3,000,000		3,312,770
Bonds, Taxable Build America Bonds7				
6.74% due 11/01/402		2,990,000		3,365,544
Southwestern Illinois, Development Authority,		2,770,000		5,505,544
Taxable Local Government, Program Revenue				
Taxable Local Government, Hogram Revelluc				

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Bonds, Flood Prevention District Project, Build America Bonds7			
7.03% due 04/15/322		2,000,000	2,167,140
		Face	
MDWGD 17 DOWDG11 444.00 ( ) 1		Amount	Value
MUNICIPAL BONDS†† - 111.0% (continued)			
Illinois - 11.5% (continued)			
State of Illinois General Obligation Unlimited		0.00	
6.63% due 02/01/35	\$	930,000	\$ 957,193
6.73% due 04/01/35		200,000	207,018
Total Illinois			45,842,276
Washington - 10.1%			
Washington State University, Housing and Dining System Revenue Bonds, Taxable Build America			
Bonds7			
7.40% due 04/01/41		6,675,000	9,324,642
7.10% due 04/01/32		3,325,000	4,278,776
Public Hospital District No. 1, King County,			
Washington, Valley Medical Center, Hospital			
Facilities Revenue Bonds			
8.00% due 06/15/402		5,800,000	6,772,602
Washington State Convention Center Public			
Facilities District, Lodging Tax Bonds, Taxable			
Build America Bonds7			
6.79% due 07/01/40		5,000,000	6,109,700
Central Washington University, System Revenue			
Bonds, 2010, Taxable Build America Bonds7			
6.50% due 05/01/302		5,000,000	5,980,700
Anacortes, Washington, Utility System			
Improvement Revenue Bonds, Build America			
Bonds7			
6.48% due 12/01/30		5,000,000	5,719,450
Auburn, Washington, Utility System Revenue			
Bonds, Taxable Build America Bonds7			
6.40% due 12/01/302		2,000,000	2,194,260
Total Washington			40,380,130
New Jersey - 6.3%			
New Jersey Turnpike Authority Revenue Bonds			
7.10% due 01/01/41		10,000,000	13,427,300
Camden County Improvement Authority, Camden			
County, New Jersey, Lease Revenue Bonds, Coope	r		
Medical School of Rowan University Project			
7.75% due 07/01/342		8,000,000	9,254,480
7.85% due 07/01/352		2,000,000	2,313,760
Total New Jersey			24,995,540
Indiana - 6.2%			
Noblesville Multi-School Building Corporation,			
Hamilton County, Indiana, Taxable Unlimited Ad			
Valorem Property Tax First Mortgage Bonds, Build	1		

America Bonds7

6.50% due 07/15/30 10,000,000 11,562,200

#### SCHEDULE OF INVESTMENTS (Unaudited)

		Face Amount		Value
MUNICIPAL BONDS†† - 111.0% (continued)		Amount		v aruc
Indiana - 6.2% (continued)				
Evansville-Vanderburgh Independent School Building				
Corporation, Unlimited Taxable Ad Valorem Property				
Tax First Mortgage Bonds				
6.50% due 01/15/302	\$	8,690,000	\$	10,192,675
Knox County, Indiana, Good Samaritan Hospital	Ψ	0,000,000	Ψ	10,192,073
Project, Taxable Economic Development Revenue				
Bonds, Qualified Energy Conservation Bonds - Direct				
Payment, Series 2012B				
5.90% due 04/01/342		2,920,000		3,088,250
Total Indiana		2,720,000		24,843,125
Texas - 6.1%				21,013,123
Dallas, Texas, Convention Center Hotel Development				
Corporation, Hotel Revenue Bonds, Taxable Build				
America Bonds7				
7.09% due 01/01/422		10,000,000		12,754,200
El Paso, Texas, Combination Tax and Revenue		10,000,000		12,701,200
Certification of Obligation, Taxable Build America				
Bonds7				
6.70% due 08/15/362		10,000,000		11,526,900
Total Texas		,,		24,281,100
New York - 6.1%				_ 1,_ 0 = , = 0 0
Metropolitan Transportation Authority, New York,				
Transportation Revenue Bonds, Taxable Build				
America Bonds7				
6.55% due 11/15/31		5,000,000		6,262,300
7.13% due 11/15/30		5,000,000		6,010,800
Westchester County Health Care Corporation,				
Revenue Bonds, Taxable Build America Bonds7				
8.57% due 11/01/40		10,000,000		11,949,600
Total New York				24,222,700
Michigan - 5.7%				
Detroit, Michigan, School District, School Building				
and Site Bonds, Unlimited Tax General Obligation				
Bonds, Taxable Build America Bonds,7				
6.85% due 05/01/402		5,000,000		5,190,349
Whitehall District Schools, Muskegon County,				
Michigan, 2010 School Building and Site Bonds,				
General Obligation, Unlimited Tax Bonds, Taxable				
Qualified School Construction Bonds				
6.10% due 05/01/262		2,500,000		2,690,775

6.50% due 05/01/292	2,000,000	2,142,900
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MANAGERAL BONDON AND AND AND AND AND AND AND AND AND AN	Amour	t Value
MUNICIPAL BONDS†† - 111.0% (continued)		
Michigan - 5.7% (continued)		
Fraser Public School District, Macomb County,		
Michigan, General Obligation Federally Taxable		
School Construction Bonds, 2011 School Building		
and Site Bonds		
6.05% due 05/01/262	\$ 3,000,00	3,337,680
Detroit City School District General Obligation		
Unlimited		
7.75% due 05/01/392	2,640,00	3,263,727
Detroit, Michigan, School District, School Building		
and Site Bonds, Unlimited Tax General Obligation		
Bonds, Taxable Qualified School Construction		
Bonds		
6.65% due 05/01/292	2,640,00	2,824,061
City of Detroit Michigan Water Supply System		
Revenue Revenue Bonds		
5.00% due 07/01/41	1,555,00	1,626,872
Oakridge, Michigan, Public Schools, Unlimited Tax		
General Obligation Bonds		
6.75% due 05/01/262	1,000,00	1,073,450
Comstock Park Public Schools, Kent County,		
Michigan, 2011 School Building and Site Bonds,		
General Obligation - Unlimited Tax, Federally		
Taxable - Qualified School Construction Bonds -		
Direct Payment		
6.30% due 05/01/262	415,00	
Total Michigan		22,599,612
Florida - 4.2%		
County of Miami-Dade Florida Transit System		
Revenue Bonds		
6.91% due 07/01/392	10,000,00	11,203,900
Orlando, Florida, Community Redevelopment		
Agency, Taxable Tax Increment Revenue Build		
America Bonds7		
7.78% due 09/01/40	5,000,00	
Total Florida		16,886,100
Pennsylvania - 4.2%		
Pittsburgh, Pennsylvania, School District, Taxable		
Qualified School Construction Bonds		
6.85% due 09/01/292	6,870,00	8,720,160
Lebanon, Pennsylvania, Sewer Revenue Bonds,		
Taxable Build America Bonds7		
7.14% due 12/15/352	4,865,00	5,487,185

#### SCHEDULE OF INVESTMENTS (Unaudited)

	Face	
	Amount	Value
MUNICIPAL BONDS†† - 111.0% (continued)		
Pennsylvania - 4.2% (continued)		
School District of Philadelphia, Pennsylvania,		
General Obligation Bonds, Series 2011A, Qualified		
School Construction Bonds - (Federally Taxable -		
Direct Subsidy)		
6.00% due 09/01/30	\$ 2,380,000	\$ 2,447,092
Total Pennsylvania	<b>-,</b> ,,,,,,,	16,654,437
West Virginia - 3.6%		10,00 1,107
State of West Virginia, Higher Education Policy		
Commission, Revenue Bonds, Federally Taxable		
Build America Bonds 20107		
7.65% due 04/01/40	10,000,000	14,316,000
Ohio - 3.3%	10,000,000	1,510,000
American Municipal Power, Inc., Combined		
Hydroelectric Projects Revenue Bonds, New Clean		
Renewable Energy Bonds		
7.33% due 02/15/28	5,000,000	6,385,749
Madison Local School District, Richland County,	3,000,000	0,505,747
Ohio, School Improvement, Taxable Qualified		
School Construction Bonds		
6.65% due 12/01/292	2,500,000	2,918,600
Cuyahoga County, Ohio, Hospital Revenue Bonds,	2,300,000	2,710,000
The Metrohealth System, Build America Bonds,		
Taxable7		
8.22% due 02/15/402	1,950,000	2,376,095
Toronto City School District, Ohio, Qualified	1,750,000	2,310,073
School Construction Bonds General Obligation		
Bonds		
7.00% due 12/01/28	1,230,000	1,327,084
Total Ohio	1,230,000	13,007,528
Colorado - 3.0%		13,007,320
Colorado, Building Excellent Schools Today,		
Certificates of Participation, Taxable Build America	a	
Bonds7		
7.02% due 03/15/312	7,500,000	8,928,150
1.02 /v due 03/13/312	7,300,000	0,720,130
	Face	
	Amount	Value
MUNICIPAL BONDS†† - 111.0% (continued)	7 Hillouit	varue
Colorado - 3.0% (continued)		
colorado 5.070 (continued)		

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Colorado, Building Excellent Schools Today,				
Certificates of Participation, Taxable Qualified				
School Construction				
6.82% due 03/15/28	\$	2,500,000	\$	3,107,750
Total Colorado		, ,	·	12,035,900
Vermont - 2.8%				
Vermont State Colleges, Revenue Bonds, Taxable				
Build America Bonds7				
7.21% due 07/01/402		7,500,000		8,552,925
6.10% due 07/01/252		2,155,000		2,418,039
Total Vermont				10,970,964
Alabama - 2.7%				
Alabama State University, General Tuition and Fee				
Revenue Bonds, Taxable Direct-Pay Build America	a			
Bonds7		<b>7</b> 000 000		5 405 250
7.20% due 09/01/382		5,000,000		5,405,250
7.10% due 09/01/352		3,000,000		3,224,700
7.25% due 09/01/402		2,000,000		2,174,660
Total Alabama Nevada - 2.7%				10,804,610
Nevada - 2.7% Nevada System of Higher Education University,				
Revenue Bonds, Build America Bonds7				
7.90% due 07/01/40		5,050,000		6,009,348
7.60% due 07/01/30		1,500,000		1,776,180
Clark County, Nevada, Airport Revenue Bonds,		1,200,000		1,770,100
Build America Bonds7				
6.88% due 07/01/422		1,425,000		1,613,585
Las Vegas Valley Water District, Nevada, Limited				
Tax General Obligation Water Bonds, Taxable Bui	ld			
America Bonds7				
7.10% due 06/01/392		1,200,000		1,363,920
Total Nevada				10,763,033
Louisiana - 2.4%				
Orleans Parish, School Board of the Parish of				
Orleans, Louisiana				
4.40% due 02/01/212		8,000,000		8,632,880
Tangipahoa Parish Hospital Service District No. 1,				
Louisiana, Taxable Hospital Revenue Bonds, North				
Oaks Health System Project, Build America Bonds	1	1.055.000		1 101 410
7.20% due 02/01/422 Total Louisiana		1,055,000		1,121,412
Mississippi - 2.0%				9,754,292
Medical Center Educational Building Corporation,				
Taxable Build America Bonds, University of				
Mississippi Medical Center Facilities Expansion an	d			
Renovation Project7				
6.84% due 06/01/352		5,000,000		5,748,050
0.07 // auc 00/01/332		3,000,000		3,740,030

#### SCHEDULE OF INVESTMENTS (Unaudited)

	Face	V-1
MUNICIPAL BONDS†† - 111.0% (continued	Amount	Value
Mississippi - 2.0% (continued)	1)	
Mississippi, Hospital Equipment and Facilitie	s	
Authority, Taxable Build America Revenue	5	
Bonds, Forrest County General Hospital		
Project7		
7.27% due 01/01/32	\$ 1,000,000	\$ 1,083,640
7.39% due 01/01/40	905,000	
Total Mississippi	703,000	7,812,420
South Carolina - 1.6%		7,012,420
Horry County, South Carolina, Taxable		
Airport Revenue Bonds, Recovery Zone		
Economic Development Bonds		
7.33% due 07/01/402	5,000,000	6,448,150
Georgia - 1.4%	2,000,000	0,110,120
Georgia Municipal Association, Inc.,		
Certificates of Participation, DeKalb County		
Public Schools Project		
5.21% due 12/01/222	5,000,000	5,566,450
South Dakota - 0.9%	-,,	-,,
Pierre, South Dakota, Taxable Electric		
Revenue Bonds, Recovery Zone Economic		
Development Bonds		
7.50% due 12/15/40	3,490,000	3,758,486
Minnesota - 0.9%		
St. Paul Housing & Redevelopment Authority	,	
Federally Taxable Revenue Bonds		
7.25% due 02/01/352	1,660,000	1,867,018
7.50% due 02/01/402	1,540,000	1,750,472
Total Minnesota		3,617,490
Puerto Rico - 0.3%		
Puerto Rico Electric Power Authority Revenu	e	
Bonds		
5.25% due 07/01/32	1,000,000	855,120
0.71% due 07/01/293	400,000	277,960
Total Puerto Rico		1,133,080
Total Municipal Bonds		
(Cost \$379,123,629)		441,888,958
ASSET BACKED SECURITIES†† - 8.0%		
Collateralized Loan Obligations - 6.0%		
Churchill Financial Cayman Ltd.		
2007-1A, 1.53% due 07/10/192,3,6	2,000,000	1,962,981

2007-1A, 8.37% due 07/10/192,6		1,000,000	1,005,266
2007-1A, 2.88% due 07/10/192,3,6		1,000,000	988,489
KVK CLO Ltd.		, ,	,
2014-3A, 2.39% due 10/15/263,6		2,000,000	1,964,740
2014-3A, 3.29% due 10/15/263,6		1,000,000	955,304
		_,,,	, , , , , ,
		Face	
		Amount	Value
ASSET BACKED SECURITIES†† - 8.0% (conti	nued)		
Collateralized Loan Obligations - 6.0% (continue			
THL Credit Wind River 2014-2 CLO Ltd.	,		
2014-2A, 2.49% due 07/15/263,6	\$	1,000,000	\$ 991,392
2014-2A, 3.49% due 07/15/263,6		750,000	736,539
KKR Financial CLO 2007-1 Ltd.		,	, , , , , , , , , , , , , , , , , , ,
2007-1A, 5.32% due 05/15/213,6		750,000	756,445
2007-1A, 2.57% due 05/15/212,3,6		500,000	497,067
Anchorage Capital CLO 2012-1 Ltd.		,	
2012-1A, 2.80% due 01/13/252,3,6		1,000,000	986,836
Atlas Senior Loan Fund IV Ltd.		, ,	
2014-2A, 3.02% due 02/17/262,3,6		1,000,000	969,260
Eastland CLO Ltd.		, ,	
2007-1A, 0.63% due 05/01/222,3,6		550,000	525,160
Marathon CLO VII Ltd.		,	,
2014-7A, 3.79% due 10/28/253,6		500,000	495,500
Neuberger Berman CLO XV		,	,
2013-15A, 3.14% due 10/15/253,6		500,000	489,531
Silver Spring CLO Ltd.			
2014-1A, 2.34% due 10/15/263,6		500,000	484,363
MCF CLO I LLC			
2013-1A, 6.04% due 04/20/233,6		500,000	465,729
Gramercy Park CLO Ltd.			
2014-1AR, 4.32% due 07/17/232,3,6		250,000	249,995
2012-1A, due 07/17/235,6		250,000	197,909
CIFC Funding 2012-I Ltd.			
2014-1AR, 3.37% due 08/14/243,6		400,000	396,660
TICP CLO II Ltd.			
2014-2A, 3.28% due 07/20/263,6		400,000	392,754
Cratos CLO Ltd.			
2007-1A, 1.43% due 05/19/212,3,6		300,000	294,783
Regatta V Funding Ltd.			
2014-1A, 3.45% due 10/25/263,6		250,000	251,844
Monroe Capital CLO 2014-1 Ltd.			
2014-1A, 3.85% due 10/22/263,6		250,000	249,849
Race Point V CLO Ltd.			
2014-5AR, 4.03% due 12/15/223,6		250,000	249,489

#### Guggenheim Build America Bonds Managed Duration Trust

#### SCHEDULE OF INVESTMENTS (Unaudited)

		Face	
		Amount	Value
ASSET BACKED SECURITIES†† - 8.0% (	continued)		
Collateralized Loan Obligations - 6.0% (con	ntinued)		
Venture XII CLO Ltd.			
2013-12A, 3.83% due 02/28/243,6	\$	250,000	\$ 248,108
ALM VII R-2 Ltd.			
2013-7R2A, 3.74% due 04/24/243,6		250,000	246,035
CIFC Funding 2014-II Ltd.			
2014-2A, 3.18% due 05/26/263,6		250,000	245,928
Oaktree EIF II Series A2 Ltd.			
2014-A2, 3.52% due 11/17/253,6		250,000	245,699
Fortress Credit Opportunities V CLO Ltd.			
2014-5A, 3.83% due 10/15/263,6			