WESTERN ASSET MUNICIPAL HIGH INCOME FUND INC. Form N-Q March 28, 2012

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT COMPANY

Investment Company Act file number 811-5497

Western Asset Municipal High Income Fund Inc. (Exact name of registrant as specified in charter)

620 Eighth Avenue, New York, NY (Address of principal executive offices)

10018 (Zip code)

Robert I. Frenkel, Esq.

Legg Mason & Co., LLC

100 First Stamford Place

Stamford, CT 06902 (Name and address of agent for service)

1-888-777-0102

Registrant s telephone number, including area code:

Date of fiscal year October 31 end:

Date of reporting period: January 31, 2012

ITEM 1.

SCHEDULE OF INVESTMENTS.

WESTERN ASSET

MUNICIPAL HIGH INCOME FUND INC.

FORM N-Q

JANUARY 31, 2012

WESTERN ASSET MUNICIPAL HIGH INCOME FUND INC.

Schedule of investments (unaudited)

January 31, 2012

		MATURITY	FACE	
SECURITY	RATE	DATE	AMOUNT	VALUE
MUNICIPAL BONDS 97.8% Arizona 1.8%				
Pima County, AZ, IDA Revenue, Tucson Electric Power Co.	5.750%	9/1/29	\$ 1,000,000	\$ 1,046,110
Salt Verde, AZ, Financial Corp. Gas Revenue	5.000%	12/1/37	1,500,000	1,512,945
University Medical Center Corp., AZ, Hospital Revenue	6.250%	7/1/29	500,000	561,295
Total Arizona	0.23070	1112)	500,000	3,120,350
Arkansas 0.4%				-,
Arkansas State Development Financing Authority, Industrial				
Facilities Revenue, Potlatch Corp. Projects	7.750%	8/1/25	600,000	<i>617,982</i> (a)
California 5.5%				
California State Public Works Board, Lease Revenue, Various				
Capital Projects	5.125%	10/1/31	1,500,000	1,621,545
Golden State Tobacco Securitization Corp., California Tobacco				
Settlement Revenue, Asset Backed	7.800%	6/1/42	2,000,000	2,193,240(b)
M-S-R Energy Authority, CA, Gas Revenue	7.000%	11/1/34	2,000,000	2,565,400
M-S-R Energy Authority, CA, Gas Revenue	6.500%	11/1/39	2,000,000	2,440,440
Redding, CA, Redevelopment Agency, Tax Allocation, Shastec	-	0.11.10.0	600 000	(01 (00
Redevelopment Project	5.000%	9/1/29	600,000	601,698
Total California				9,422,323
Colorado 4.7%				
Colorado Educational & Cultural Facilities Authority Revenue:	5.250%	6/15/25	680,000	694,287
Cheyenne Mountain Charter Academy Cheyenne Mountain Charter Academy	5.125%	6/15/32	510,000	510,321
Elbert County Charter	5.125 <i>%</i> 7.375%	3/1/35	785,000	783,634
Public Authority for Colorado Energy, Natural Gas Purchase	1.51570	5/1/55	785,000	705,054
Revenue	6.125%	11/15/23	4,000,000	4,561,560
Reata South Metropolitan District, CO, GO	7.250%	6/1/37	1,000,000	876,450
Southlands, CO, Metropolitan District No. 1, GO	7.125%	12/1/34	500,000	592,735(b)
Total Colorado			,	8,018,987
Delaware 4.3%				
Delaware State EDA Revenue, Indian River Power LLC	5.375%	10/1/45	4,000,000	4,056,360
Sussex County, DE, Recovery Zone Facility Revenue, NRG				
Energy Inc., Indian River Power LLC	6.000%	10/1/40	3,000,000	3,192,390
Total Delaware				7,248,750
District of Columbia 1.2%				
District of Columbia COP, District Public Safety & Emergency,				
AMBAC	5.500%	1/1/20	1,895,000	2,015,408
Florida 6.1%				
Beacon Lakes, FL, Community Development District, Special	6 0000	5 11 12 5	015 000	925 020
Assessment	6.900%	5/1/35	815,000	825,929
Bonnet Creek Resort Community Development District, Special Assessment	7.500%	5/1/34	1,500,000	1,441,875
Century Parc Community Development District, Special	1.500%	5/1/54	1,500,000	1,441,073
Assessment	7.000%	11/1/31	865,000	878,477
135055mont	6.000%	11/15/25	1,000,000	1,042,530(b)
	0.00070	11/15/25	1,000,000	1,072,550(0)

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Highlands County, FL, Health Facilities Authority Revenue,
Adventist Health SystemsImage: County, FL, IDA Revenue, Indiantown CogenerationProject7.875%12/15/252,000,0002,010,100(a)

See Notes to Schedule of Investments.

WESTERN ASSET MUNICIPAL HIGH INCOME FUND INC.

Schedule of investments (unaudited) (cont d)

January 31, 2012

		MATURITY	FACE	
SECURITY	RATE	DATE	AMOUNT	VALUE
Florida continued				
Orange County, FL, Health Facilities Authority Revenue, First				
Mortgage Healthcare Facilities Revenue Bonds, GF/Orlando Inc.				
Project	9.000%	7/1/31	\$ 1,000,000	\$ 999,860
Palm Beach County, FL, Health Facilities Authority Revenue,				
John F. Kennedy Memorial Hospital Inc. Project	9.500%	8/1/13	155,000	162,056(d)
Reunion, FL, East Community Development District, Special				
Assessment	7.375%	5/1/33	2,000,000	1,631,803
Santa Rosa, FL, Bay Bridge Authority Revenue	6.250%	7/1/28	1,000,000	380,000(c)
University of Central Florida, COP, FGIC	5.000%	10/1/25	1,000,000	1,010,930
Total Florida				10,383,560
Coorgia 45%				

Georgia 4.5%