

Debt and Interest Rate Management Report As of June 30, 2018

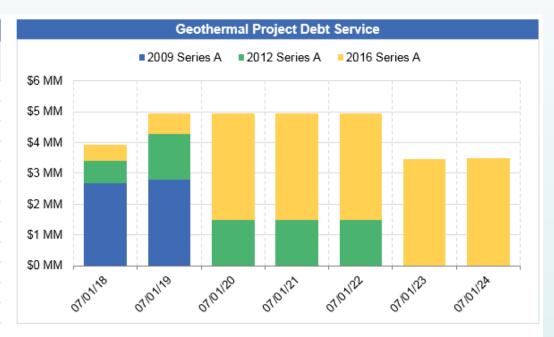


DEBT OVERVIEW BY PROJECT



Geothermal Project Debt Overview

ect Participation	Percentages
Entitlement Share (%)	Beneficiary Share (%)
16.8825	16.8825
0.2270	0.2270
0.3950	0.3360
3.6740	3.6740
10.2800	10.2800
3.6810	3.6810
6.1580	0.0000
0.8145	0.7010
7.8830	7.8830
44.3905	44.3905
0.0000	6.3305
5.6145	5.6145
	Share (%) 16.8825 0.2270 0.3950 3.6740 10.2800 3.6810 6.1580 0.8145 7.8830 44.3905 0.0000

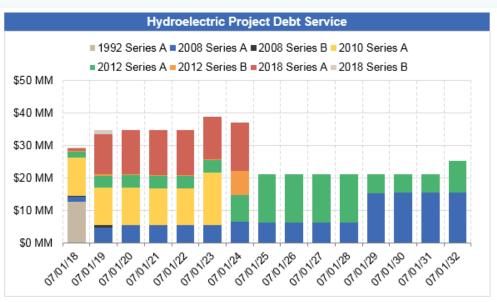


Summary of Outstanding Geothermal Project Debt								
Ratings (M/S/F): A1/A-/A+, Stable Outlooks								
Series Tax Status Coupon Type Issue Size Outstanding Coupon Range Call Date Final Matur								
2009 Series A	Tax-Exempt	Fixed-Rate	\$35,610,000	\$5,220,000	5.000%	-	7/1/2019	
2012 Series A	Tax-Exempt	Fixed-Rate	\$12,910,000	\$6,285,000	2.289%	7/1/2017	7/1/2022	
2016 Series A	Tax-Exempt	Fixed-Rate	\$17,530,000	\$17,265,000	1.670%	-	7/1/2024	



Hydroelectric Project Debt Overview

Hydroelectric Project Participation Percentages				
Member	Entitlement Share (%)			
Alameda	10.000			
Biggs	0.100			
Gridley	1.060			
Healdsburg	1.660			
Lodi	10.370			
Lompoc	2.300			
Palo Alto	22.920			
Roseville	12.000			
Santa Clara	35.860			
Ukiah	2.040			
Plumas-Sierra	1.690			



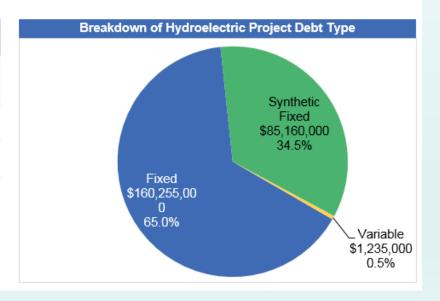
	Summary of Outstanding Hydroelectric Project Debt								
Ratings (M/S/F): Aa3/-/AA-, Stable Outlooks									
Series	Tax Status	Coupon Type	Issue Size	Outstanding Par	Coupon Range	Call Date	Final Maturity		
1992 Series A	Tax-Exempt	Fixed-Rate	\$195,610,000	\$12,155,000	6.300%	Non-Callable	7/1/2018		
2008 Series A	Tax-Exempt	Variable-Rate	\$85,160,000	\$85,160,000	Var. (3.819%) (S)	Current	7/1/2032		
2008 Series B	Taxable	Variable-Rate	\$3,165,000	\$1,235,000	Variable (V)	Current	7/1/2020		
2010 Series A	Tax-Exempt	Fixed-Rate	\$101,260,000	\$62,975,000	5.000%	7/1/2019	7/1/2023		
2012 Series A	Tax-Exempt	Fixed-Rate	\$76,665,000	\$76,665,000	5.000%	7/1/2022	7/1/2032		
2012 Series B	Taxable	Fixed-Rate	\$7,120,000	\$7,120,000	4.320%	Make-Whole	7/1/2024		
2018 Series A	Tax-Exempt	Fixed-Rate	\$68,875,000	\$68,875,000	5.000%	Non-Callable	7/1/2024		
2018 Series B	Taxable	Fixed-Rate	\$1,340,000	\$1,340,000	2.350%	Non-Callable	7/1/2019		



Hydroelectric Project Debt Overview

	Hydroelectric Project Swap Summary									
Series	NCPA Pays	NCPA Receives	Trade Date	Effective Date	Maturity Date	MTM Value (As of 6/29/18)	Initial Notional	Current Notional	Bank Counterparty	
2008 Series A	3.8190%	54% of USD- LIBOR + 0.54%	11/24/04	11/24/04	7/1/32	(\$13,928,704)	\$85,160,000	\$85,160,000	Citibank, N.A., New York (A1/A+/A+)	
2008 Series B	USD-LIBOR	5.2910%	11/24/04	11/24/04	7/1/32	\$161,739	\$1,574,000	\$1,073,895	Citibank, N.A., New York (A1/A+/A+)	

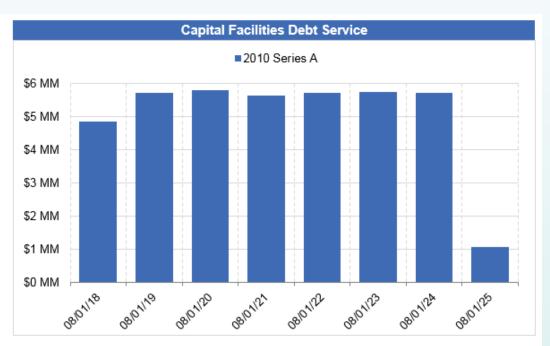
Hydroelectric Project Liquidity Summary								
Series	LOC Provider	LOC Expiry	Reset (as of 06/26/18)					
2008 Series A	Bank of Montreal (A1/A+/AA-)	September 09, 2019	1.30%					
2008 Series B	Bank of Montreal (A1/A+/AA-)	September 09, 2019	2.05%					





Capital Facilities Debt Overview

Capital Facilities Participation Percentages				
Member	Entitlement Share (%)			
Alameda	19.00			
Lodi	39.50			
Lompoc	5.00			
Roseville	36.50			

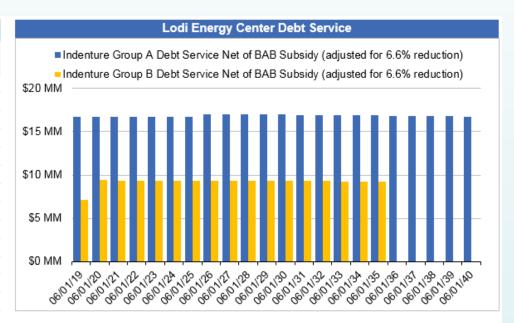


Summary of Outstanding Capital Facilities Debt								
	Ratings (M/S/F): A2/A-/ , Stable Outlooks							
Series Tax Status Coupon Type Issue Size Outstanding Par Coupon Range Call Date Final Maturit							Final Maturity	
2010 Series A	Tax-Exempt	Fixed-Rate	\$55,120,000	\$33,640,000	4.000% - 5.250%	2/1/2020	8/1/2025	



Lodi Energy Center Debt Overview

LEC Par	LEC Participation Percentages							
Member	Entitlement Share (%)	Ind. Group A Cost Share (%)						
CDWR	33.5000	-						
Azusa	2.7857	4.9936						
Biggs	0.2679	0.4802						
Gridley	1.9643	3.5212						
Healdsburg	1.6428	2.9448						
Lodi	9.5000	17.0295						
Lompoc	2.0357	3.6491						
Santa Clara	25.7500	46.1588						
Ukiah	1.7857	3.2010						
MID	10.7143	-						
Plumas-Sierra	0.7857	1.4084						
PWRPA	2.6679	4.7824						
SFBART	6.6000	11.8310						



	Summary of Outstanding Lodi Energy Center Debt								
Series	Tax Status	Coupon Type	Issue Size	Outstanding Par	Coupon Range	Next Call	Final Maturity		
		Indenture Gro	up A Ratings (M/S	6/F): A1/A-/A, St	able Outlooks				
2010 Series A	Tax-Exempt	Fixed-Rate	\$78,330,000	\$12,125,000	5.000%	6/1/2020	6/1/2020		
2010 Series B	Taxable BABs	Fixed-Rate	\$176,625,000	\$176,625,000	7.311% ①	Make-Whole	6/1/2040		
2017 Series A	Tax-Exempt	Fixed-Rate	\$38,635,000	\$38,970,000	2.270%	-	6/1/2025		
	In	denture Group B-	-CADWR Ratings	(M/SF): Aa2/AA	A/ , Stable Outlook	S			
2010 Series A	Tax-Exempt	Fixed-Rate	\$30,540,000	\$4,960,000	5.000%	Non-Callable	6/1/2019		
2010 Series B	Taxable BABs	Fixed-Rate	\$110,225,000	\$110,225,000	4.630%-5.679% ①	Make-Whole	6/1/2035		

⁽T) Taxable Build America Bonds; Interest rate gross of BAB subsidy



FIXED RATE DEBT OVERVIEW



Fixed Rate Debt Overview

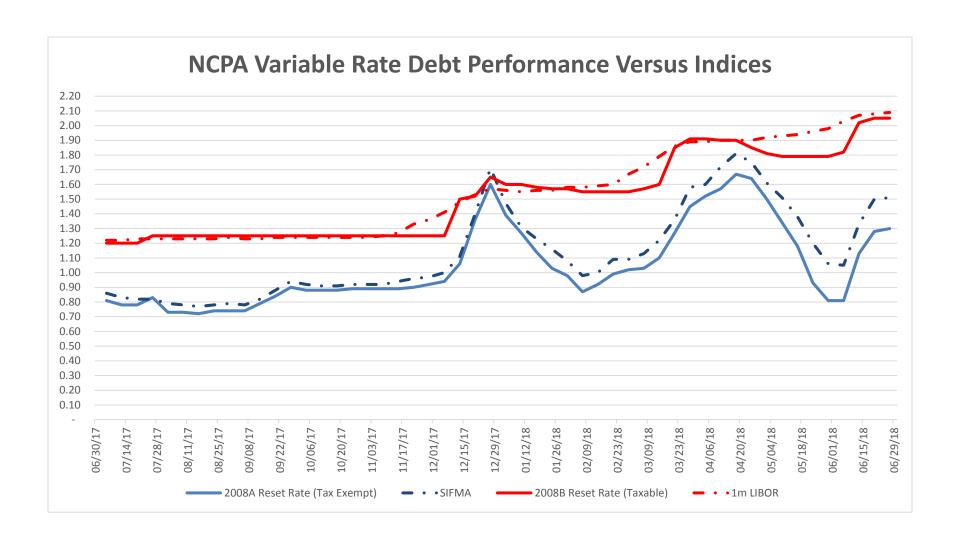
- While no new fixed rate debt was issued, staff refunded the 2008 Hydroelectric Series C bonds. Final numbers for the project participants include the following:
 - NPV Savings: \$7.6 million through final maturity of 2024
 - Percentage savings of refunded bonds: 10%
 - Average annual savings: approx. \$1.37 million per year
- February 2018, Fitch Ratings:
 - Upgraded the rating on NCPA's Hydroelectric Revenue Bonds to AAfrom A+ with a rating outlook of stable



VARIABLE RATE DEBT OVERVIEW



Variable Rate Debt Overview

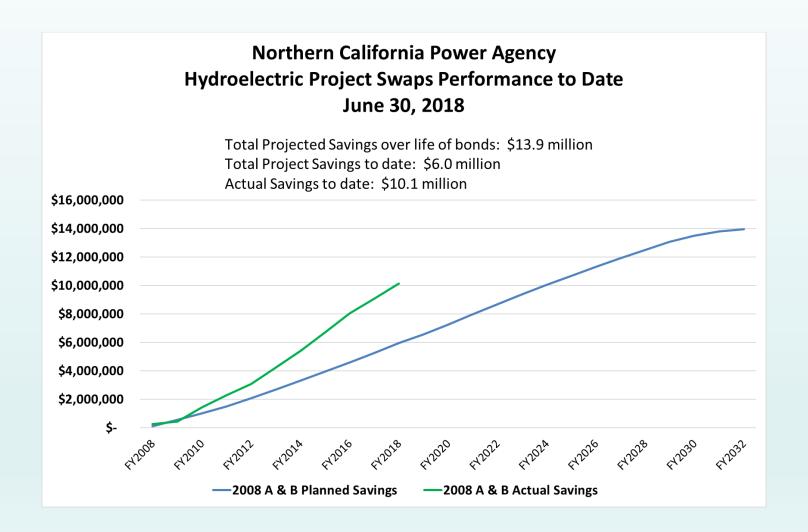




INTEREST RATE SWAPS OVERVIEW



Interest Rate Swaps Overview





Interest Rate Swaps Overview

