

The Empire District Gas Company
 Test Year Ending December 31, 2020
 GR-2021-0320
 Schedule 9 - Weighted Average Cost of Debt

Line No.	FERC (a)	GL Account (b)	Description (c)	Reference (d)	Amount Per Books (e)	Pro Forma Adjustments (f)	Interest Rate (g)	Annual Costs (h) = (e,f)*(g)
			From Trial Balance					
WEIGHTED AVERAGE COST OF DEBT								
1	221	221800	6.82% Series due 6-1-2036 - EDG	▼	\$ 55,000,000	\$ -	6.82%	\$ 3,751,000
2	224	224102	6.7% Senior Notes due 11-15-33		62,000,000		6.70%	4,154,000
3	224	224103	5.8% Sr Notes due 7-1-2035		40,000,000		5.80%	2,320,000
4	221	221801	FMB 5.875% Series Due 4-1-37		80,000,000		5.88%	4,700,000
5	221	221803	5.20% FMB series due 9-1-2040		50,000,000		5.20%	2,600,000
6	221	221804	FMB 3.58% FMB 4-1-2027		88,000,000		3.58%	3,150,400
7	221	221805	FMB 3.73% Series Due 5-30-33		30,000,000		3.73%	1,119,000
8	221	221806	FMB 4.32% Series Due 5-30-43		120,000,000		4.32%	5,184,000
9	221	221807	4.27% FMB Series due 12-1-2044		60,000,000		4.27%	2,562,000
10	221	221808	3.59% FMB Series due 8-20-2030		60,000,000		3.59%	2,154,000
11	221	223120	4.53% NotePay LUC due 6-1-2033		90,000,000		2.08%	(1) 1,871,100
12	XXX	XXXXXX	Wind farm debt - estimate		-	425,000,000	2.08%	8,835,750
13			EDE Less Gas only Premium, Discounts and Expense					(122,841)
14			EDG Gas only Premium, Discounts and Expense					25,111
15			Consolidated Annual Amort Defer Fin Costs					1,364,164
16			Total Long Term Debt		<u>\$ 735,000,000</u>	<u>\$ 425,000,000</u>		<u>\$ 43,667,684</u>
17			Consolidated Annual Cost Rate:	Schedule 8				<u>3.76%</u>
18			EDG Annual Cost Rate:					<u>6.87%</u>

Source: The outstanding debt, interest balances, and premium, discounts and expenses for debt balances were obtained from financial reporting. See WP- Long term debt summary @ 12-31-20. The premium, discounts and expenses for the interest can be found at WP - Premium, Discounts and Expenses.

Purpose: This workpaper represents all outstanding debts of the company and yearly interest expense to calculate the annual cost rate for the weighted average cost of capital.