



City of Richmond

Report to Committee

To: Finance and Audit Committee
From: Jerry Chong, CPA, CA
General Manager, Finance and
Corporate Services
Chief Financial Officer, Lulu Island Energy
Company

Date: October 15, 2025

File: 01-0060-20-
LIEC1/2025-Vol 01

Re: 2026 District Energy Utility Rates

Staff Recommendations

1. That the Alexandra District Energy Utility Bylaw No. 8641, Amendment Bylaw No. 10705 be introduced and given first, second and third readings;
2. That the Oval Village District Energy Utility Bylaw No. 9134, Amendment Bylaw No. 10706 be introduced and given first, second and third readings; and
3. That the City Centre District Energy Utility Bylaw No. 9895, Amendment Bylaw No. 10707 be introduced and given first, second and third readings.

Jerry Chong, CPA, CA
General Manager, Finance and Corporate Services
Chief Financial Officer, Lulu Island Energy Company
(604-276-4064)

Att. 9

REPORT CONCURRENCE		
ROUTED TO:	CONCURRENCE	CONCURRENCE OF DEPUTY CAO
Finance Department	☒	
Law	☒	
REVIEWED BY SMT	INITIALS:	APPROVED BY CAO

Staff Report

Origin

The purpose of this report is to recommend the 2026 Alexandra District Energy Utility (ADEU), Oval Village District Energy Utility (OVDEU), and City Centre District Energy Utility (CCDEU) district energy utility rates.

This report supports Council's Strategic Plan 2022-2026 Focus Area #3 A Safe and Prepared Community:

3.4 Ensure civic infrastructure, assets and resources are effectively maintained and continue to meet the needs of the community as it grows.

This report supports Council's Strategic Plan 2022-2026 Focus Area #5 A Leader in Environmental Sustainability:

Leadership in environmental sustainability through innovative, sustainable and proactive solutions that mitigate climate change and other environmental impacts.

5.1 Continue to demonstrate leadership in proactive climate action and environmental sustainability.

Lulu Island Energy Company Ltd. (LIEC), a corporation wholly-owned by the City of Richmond, was established to provide district energy services on behalf of the City. Information regarding LIEC's district energy utility (DEU) operations can be found in Attachment 1. All capital and operating costs are recovered through revenues from user fees, ensuring that the business is financially sustainable. City Council is the regulator and sets customer rates.

Analysis

LIEC staff have assessed the following factors when developing the 2026 rate recommendation:

- **Financially self-sustainable:** All LIEC service areas were established on the basis that all capital and operating costs would be recovered through revenues from user fees. Expenditures required to provide utility service include capital, operations, utilities, financing, and administration costs. These costs are susceptible to non-discretionary increases due to material and equipment cost increases, rises in electricity and natural gas rates and general inflation. Additionally, as endorsed by Council in 2022, LIEC executed a Project Agreement (PA) with City Centre Energy Limited Partnership (Corix) to design, construct, finance, operate and maintain the CCDEU. As part of the annual planning process, Corix submits a request to LIEC for a rate increase for next year in line with the financial model regularly updated by LIEC and Corix. Following the rate increases as per the long term financial model is critical to ensure the utility's positive financial performance and avoid increasing the capital repayment deferral account balance and/or under-recovering LIEC's operating expenses.

- **Competitive Rate:** Council's objective is to provide end users with annual energy costs that are competitive to conventional system energy costs, based on the same level of service. To date, LIEC's district energy rates have been compared to a Business as Usual (BAU) scenario based on the increase of conventional utilities (i.e. Fortis BC and BC Hydro). Staff recently updated the BAU model to ensure the proposed district energy rates continue to be competitive with conventional energy systems that provide the same level of service and environmental performance.

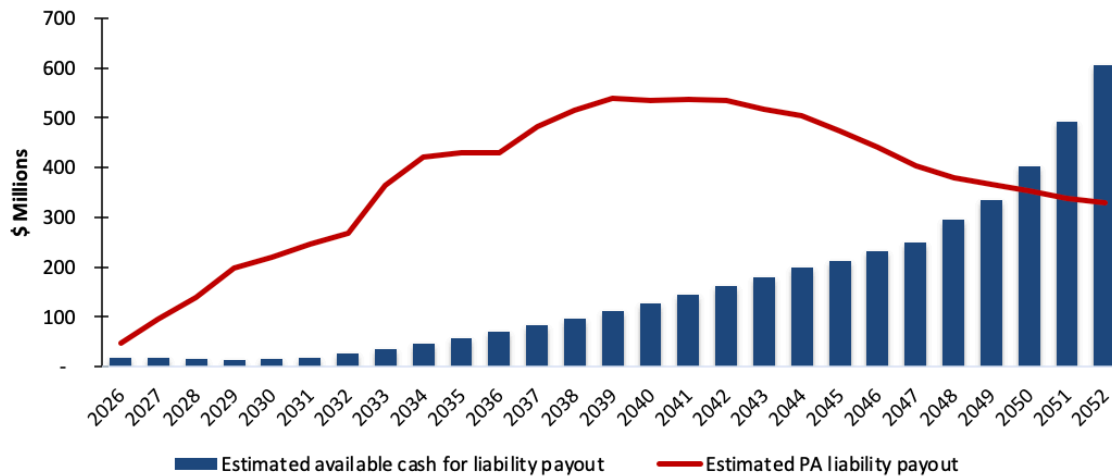
Recommended 2026 Customer Rates

LIEC's systems are still early in their operational life and still require significant capital investments in distribution infrastructure and low carbon energy sources to connect more customers and ensure low carbon objectives are achieved. The construction market experienced a 4% cost increase over the past year. Similarly, BC Hydro rates are expected to increase by 3.75% next year, while natural gas costs are also projected to increase by 2.1% next year due to commodity cost escalation and delivery rate increases. Based on the updated CCDEU financial model, Corix has requested a 5.25% capacity rate increase for next year.

LIEC actively and continually works to assess and evaluate Corix's performance and that of the consulting and contracting companies supporting infrastructure delivery to ensure best value is being achieved. A key example of this work in action is the decision to postpone the construction of the proposed Sewage Heat Recovery Plant to better time the project delivery with future residential development and take advantage of additional value engineering and engagement with the Major Capital Projects Oversight Committee.

In order to provide competitive and stable rates for LIEC customers, rates are leveled to gradually recover costs as the customer base is fully established. This approach ensures infrastructure costs are more equitably distributed between existing customers and those who connect in later years. Based on the most recent LIEC financial model (Attachment 2), customer rates are estimated to increase by 4.0% year-over-year in order to fully recover operating expenses and avoid increasing the capital repayment deferral account balance. This increase is consistent with the historical increase of conventional utilities, making LIEC rates competitive with conventional energy costs, as per City Council's objective. This increase also ensures LIEC will have enough reserve funds available at the end of the Project Agreement to meet future liability obligations. Graph 1 illustrates the relationship between the estimated available reserve funds for liability payouts and confirms that sufficient liquidity will be available to meet future obligations.

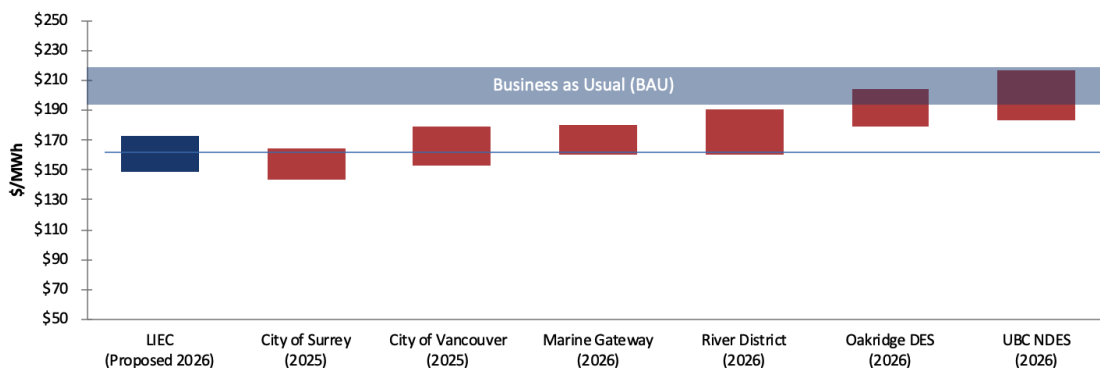
Graph 1 – Projected Liability Coverage



In consideration of these factors, a 4.0% rate increase is recommended for 2026 to ensure all capital and operating costs continue to be recovered in the long term. The recommended increase would also be sufficient to recover the non-discretionary increases due to electricity and natural gas rates and general inflation projected for 2026. The proposed 2026 service rates for the ADEU, OVDEU and CCDEU service areas are included in Attachments 7-9.

Rate Competitiveness

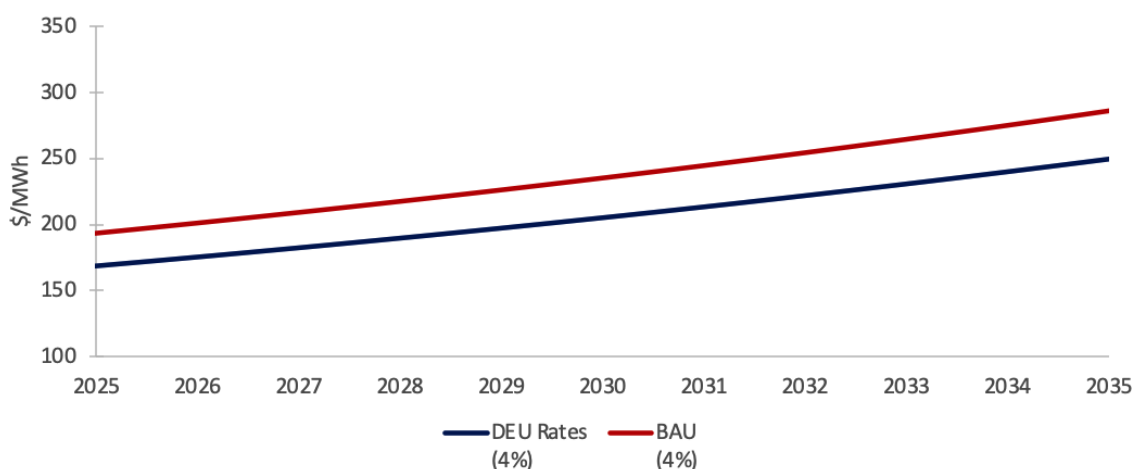
The recommended 4.0% rate increase also supports Council’s objective to keep the annual energy costs for LIEC customers competitive with conventional energy costs, based on the same level of service. If the recommended rate increase is approved, LIEC’s customers would still be paying 14% less than users using equivalent conventional energy systems in Richmond based on the same level of service. Staff also conducted a benchmarking analysis to confirm LIEC rates are competitive with other district energy utilities in Metro Vancouver (see Graph 2).

Graph 2 - Metro Vancouver DEU Rates Comparison¹

The projected 4.0% year-over-year rate increase also ensures customer rates continue to grow at a similar rate to the historical increase of conventional utilities, making rates competitive in the long term (Graph 3).

¹ Based on reported rates and assuming an EUI range of 70-90 kWh/m² for heating and domestic hot water and 25 kWh/m² for cooling

Graph 3 – Projected DEU Rates vs BAU



The recommended 4.0% rate increase would result in approximately \$4.10 per month increase in DEU fees in 2026 for the average LIEC residential customer.

Financial Impact

None.

Conclusion

The recommended 4.0% increase for ADEU, OVDEU and CCDEU 2026 service rates supports Council's objective to keep the annual energy costs for LIEC customers competitive with conventional energy costs, based on the same level of service. This rate increase also ensures sufficient revenues to offset the capital investment and operating costs. Staff will continuously monitor energy costs and review the rate to ensure fairness for consumers and cost recovery for LIEC.

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- Att. 1: District Energy in Richmond
- Att. 2: LIEC Financial Model (September 2025)
- Att. 3: DEU Green House Gas (GHG) Emissions Reductions
- Att. 4: Alexandra Neighbourhood and ADEU Service Area
- Att. 5: Oval Village Neighbourhood and OVDEU Service Area
- Att. 6: City Centre and CCDEU Service Area
- Att. 7: ADEU Proposed 2026 Rates for Services
- Att. 8: OVDEU Proposed 2026 Rates for Services
- Att. 9: CCDEU Proposed 2026 Rates for Services

Attachment 1 – District Energy in Richmond

Richmond's 2041 Official Community Plan (OCP) establishes a target to reduce greenhouse gas (GHG) emissions 50 per cent below 2007 levels by 2030 and 100 per cent by 2050. The City identified district energy utilities (DEUs) as a leading strategy to achieve the City's GHG reduction goals and incorporated Lulu Island Energy Company Ltd. (LIEC) in 2013 for the purposes of carrying out the City's district energy initiatives on the basis of the following guiding principles:

1. The DEU will provide end users with energy costs that are competitive with conventional energy costs, based on the same level of service.
2. Council will retain the authority of setting customer rates, fees and charges for DEU services.
3. The DEU will provide a flexible platform for adopting low carbon energy technologies.

The City established three DEU service areas: ADEU, OVDEU, and CCDEU. Table 1 below provides a summary of the developments connected under the DEU service areas to-date.

Table 1 – DEU Service Areas - Current and Projected Connected Space

	Buildings To-Date	Residential Units To-Date	Floor Area	
			To-Date	Build-out
Alexandra DEU	13	2,200	2.4M ft ²	4.4M ft ²
Oval Village DEU	14	3,174	3.7M ft ²	6.4M ft ²
City Centre DEU	6	2,164	2.2M ft ²	48.0M ft ²
Total	33	7,538	8.3M ft²	58.8M ft²

The ADEU provides heating and cooling services to ten residential buildings, the large commercial development at “Central at Garden City”, the Richmond Jamatkhana Temple and Fire Hall No. 3, comprising of 2,200 residential units and over 2.4 million square feet of floor area. While some electricity is consumed for pumping and equipment operations, most of this energy is currently produced locally from the geo-exchange fields in the greenway corridor and West Cambie Park, and highly efficient air source heat pumps.

The OVDEU services 14 buildings, containing 3,174 residential units. Energy is currently supplied from the three interim energy centres with natural gas boilers which provide 16 MW of heating capacity. LIEC received a \$6.2 million grant from the CleanBC Communities Fund for the design and construction of the sewer heat recovery technology and a permanent energy centre for the area. This project is in the design stage and is expected to be completed in 2030. Once completed, the system will be able to produce up to 80% of low-carbon energy from the Gilbert Trunk sanitary force main sewer.

The CCDEU currently services six buildings, comprised of 2,164 residential units and approximately 2.2M ft² of floor area. While offsite energy centres progress through development, CCDEU utilizes on-site low carbon energy plants as a source of energy production. At full build-out, 176 developments, 28,000 residential units and approximately 48M ft² of floor space will be serviced by 5 permanent energy centres with over 130 MW of heating and 115 MW of cooling capacity. The built out system is estimated to reduce over one million tonnes of GHG emissions compared to conventional service.

Attachment 2: LIEC Financial Model (September 2025)

LIEC Financial Model Summary												
	2025	2026	2027	2028	2029	2030	2031	2032	2037	2042	2047	2052
CCDEU Customer Rate Increase	5.30%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
ADEU Commercial Rate Increase	5.30%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
ADEU Residential Rate Increase	5.30%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
LIEC Payment to SPV	4.75%	5.20%	5.20%	5.20%	5.20%	5.20%	5.20%	5.20%	5.20%	5.20%	5.20%	5.20%
LIEC Overall (ADEU + CCDEU)												
Metered Billings	10,490,537	12,435,195	14,335,359	17,947,978	23,524,272	29,895,648	40,648,557	52,751,423	78,482,170	107,921,731	147,641,977	183,543,227
Total Revenue	11,472,023	13,416,681	15,316,845	18,929,464	24,505,758	30,877,134	41,630,043	53,732,908	79,463,656	108,903,217	148,623,463	184,524,713
Gross Margin	3,097,789	4,117,951	5,262,888	6,722,212	8,633,321	10,923,665	14,442,771	18,076,435	29,501,009	49,137,337	79,700,405	118,411,930
Net Income	214,741	1,457,275	929,493	416,920	1,072,095	66,913	4,228,440	9,898,231	7,156,570	20,604,041	47,191,454	106,059,578
EBITA	3,269,167	6,561,097	7,973,798	11,091,034	15,829,978	20,920,998	29,003,082	38,053,283	56,091,796	79,066,532	103,789,020	147,733,065
Gross Margin %	27%	31%	34%	36%	35%	28%	30%	34%	37%	45%	54%	64%
Net Income %	2%	11%	6%	2%	4%	0%	10%	18%	9%	19%	32%	57%
Overall EBITA %	28%	49%	52%	59%	65%	68%	70%	71%	71%	73%	70%	80%

Estimated Development Timing for Future Connections

	2025	2026	2027	2028	2029	2030	2031	2032	2037	2042	2047	2052
Square Footage	5	5	2	7	10	14	24	13	7	3	4	0
New connections	-	58,203	179,235	304,764	316,529	125,000	125,243	125,243	-	-	-	-
Incremental ADEU (ft2)	1,251,972	323,674	804,280	1,857,753	2,750,715	3,075,741	5,317,609	5,659,076	1,512,108	332,380	1,002,515	-
Incremental CCDEU (ft2)	1,251,972	381,877	983,516	2,162,518	3,067,244	3,200,741	5,442,853	5,784,319	1,512,108	332,380	1,002,515	-
Total (ft2)	8,598,458	8,980,335	9,963,851	12,126,368	15,193,612	18,394,353	23,837,206	29,621,525	36,399,969	41,430,580	46,716,775	47,709,058
Cumulative (ft2)												

Projected Capital Expenditures for LIEC

	2025	2026	2027	2028	2029	2030	2031	2032	2037	2042	2047	2052
CCDEU CAPEX												
Annual CAPEX	7,045,747	20,767,383	45,933,010	40,574,898	56,136,650	19,782,929	27,868,350	28,322,791	54,981,486	11,427,223	441,449	1,251,655
Annual ETS Contribution	3,004,800	2,472,200	2,173,784	8,010,501	5,674,549	5,539,029	21,580,416	14,528,580	7,539,827	4,145,241	6,223,143	124,822
Annual LCPE Contribution	8,442,304	8,570,083	-	-	14,482,909	16,291,876	15,163,434	-	-	-	-	-
Annual DCP Contribution	-	-	-	5,605,128	6,595,197	9,333,749	13,039,521	29,624,794	-	1,644,904	5,851,955	-
CCDEU LIEC In-house	2,156,000	1,227,048	1,239,589	1,450,256	1,692,268	2,182,497	4,367,695	4,329,844	1,379,656	1,814,557	2,053,644	1,649,314
	20,648,851	33,036,714	49,346,384	55,640,783	84,581,573	53,130,079	82,019,417	76,806,009	63,900,969	19,031,924	14,570,191	3,025,791
Cumulative CCDEU Capital Assets	61,306,183	94,342,897	143,689,281	199,330,064	283,911,637	337,041,716	419,061,133	495,867,143	760,978,273	902,410,372	992,749,242	1,062,616,477
Annual ADEU ETS Contribution	-	650,000	750,000	1,500,000	750,000	-	750,000	-	-	-	-	-
ADEU LIEC in-house	1,100,000	1,757,913	561,071	914,293	5,067,579	4,670,930	174,349	177,836	196,345	216,781	239,343	264,254
	1,100,000	2,407,913	1,311,071	2,414,293	5,817,579	4,670,930	924,349	177,836	196,345	216,781	239,343	264,254
Cumulative ADEU Capital Assets	29,268,854	31,676,767	32,987,838	35,402,131	41,219,709	45,890,639	46,814,988	46,992,824	49,436,797	50,479,020	51,629,718	52,900,182
Cumulative LIEC Capital Assets	90,575,036	126,019,664	176,677,119	234,732,194	325,131,346	382,932,356	465,876,121	542,859,966	810,415,070	952,889,391	1,044,378,960	1,115,516,659

The total estimated Project Liability at the end of the contract (YR 2052) \$ 329 million
The total estimated Capex financed through CCDEU Project Agreement \$ 606 million

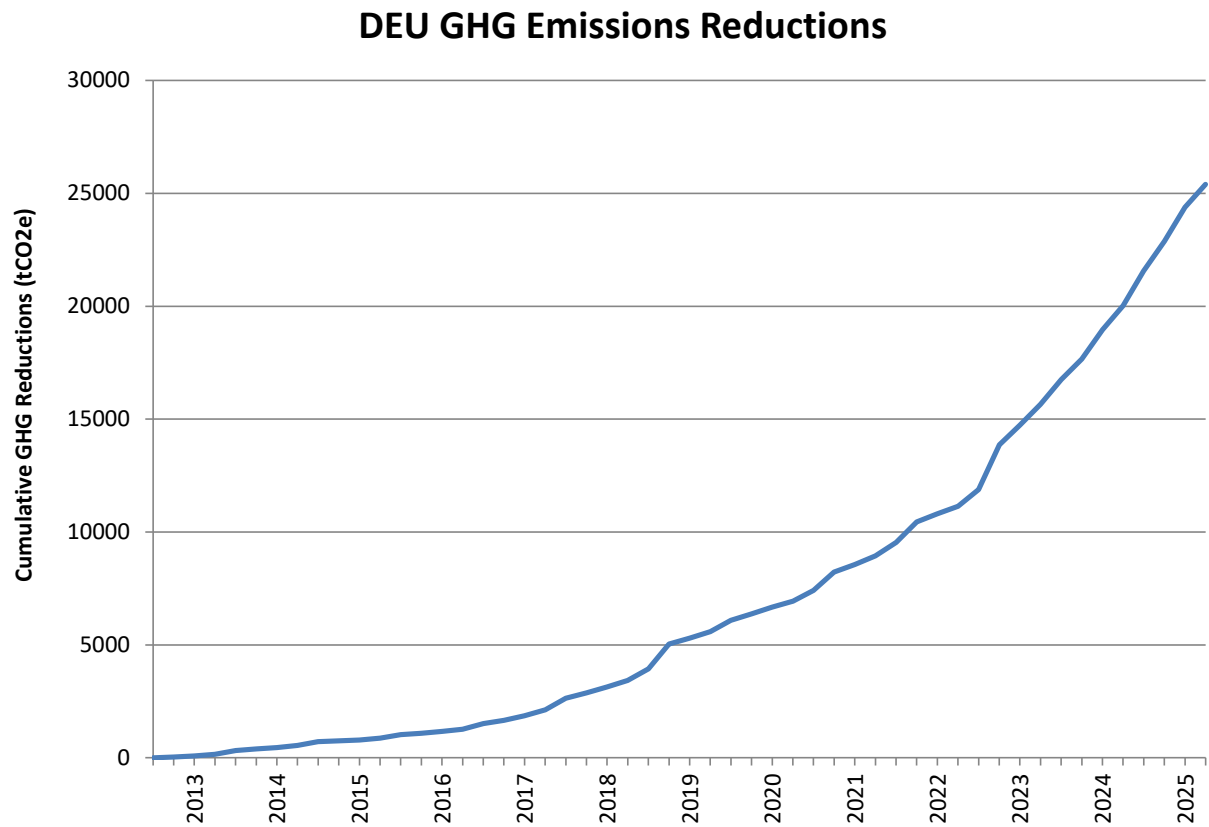
Disclaimer:

The financial model is based on information, projections, and assumptions available at the time of preparation. It reflects current market conditions, business strategies, and anticipated developments. The model is subject to change as circumstances evolve. Staff will review and update the financial model regularly to ensure its continued relevance and accuracy.

Project\Year	Budget 2025	YR 4 2026	YR 5 2027	YR 6 2028	YR 7 2029	YR 8 2030	YR 9 2031	YR 10 2032	YR 15 2037	YR 20 2042	YR 25 2047	YR 30 2052
INCOME STATEMENT												
Revenue												
Metered billings - ADEU	3,011,353	3,213,239	3,599,713	4,199,843	4,860,536	5,257,311	5,678,461	6,124,892	8,517,004	10,362,238	12,607,247	15,338,643
Metered billings - CCDEU	7,479,184	9,221,956	10,735,646	13,748,135	18,663,736	24,638,337	34,970,096	46,626,530	69,965,166	97,559,493	135,034,730	168,204,584
Service fee	981,486	981,486	981,486	981,486	981,486	981,486	981,486	981,486	981,486	981,486	981,486	981,486
Total Revenue	11,472,023	13,416,681	15,316,845	18,929,464	24,505,758	30,877,134	41,630,043	53,732,908	79,463,656	108,903,217	148,623,463	184,524,713
Expenses												
Utility expenses - ADEU	280,000	298,804	333,473	386,982	445,852	481,506	519,336	559,422	774,425	942,207	1,146,340	1,394,699
Contract expense - ADEU	726,270	755,321	785,534	816,955	849,633	883,619	1,177,974	1,184,224	1,256,724	1,294,224	1,331,724	1,369,224
Utility expenses - CCDEU	2,801,202	2,443,932	2,566,146	3,158,326	4,156,840	5,289,389	6,971,918	8,685,489	11,805,773	14,979,838	18,451,438	15,572,343
Contract expense - CCDEU	2,312,975	2,588,413	2,893,102	3,099,477	3,719,537	4,667,242	5,624,870	6,468,529	9,697,917	12,051,339	14,217,107	12,224,515
Utility expense - DCP	-	-	-	56,015	36,015	177,334	423,426	904,715	1,110,052	1,310,052	1,631,999	706,915
Contract expense - DCP	-	-	-	-	104,452	330,677	993,878	2,202,154	2,989,239	3,659,890	5,150,800	8,178,085
Depreciation expense	2,253,787	3,212,260	3,475,702	4,745,512	6,540,109	10,443,703	13,475,869	15,652,142	22,327,810	25,528,330	26,993,651	26,667,001
General and administration expense	2,596,029	2,752,999	2,558,112	2,644,568	2,764,273	2,833,823	3,430,610	3,613,161	4,753,322	5,700,892	13,486,582	6,990,019
Other income	(667,000)	(614,000)	(270,000)	(153,000)	(173,000)	(151,000)	(129,000)	(137,000)	(143,000)	(135,000)	(125,000)	(125,000)
Financing Expense	1,899,000	2,141,563	3,318,603	6,053,602	8,342,774	10,535,382	11,423,773	12,627,899	26,732,416	33,059,161	29,728,915	15,131,486
Developers contributions	(944,981)	(1,619,886)	(1,773,320)	(2,239,878)	(3,372,821)	(4,661,452)	(6,511,052)	(7,925,856)	(8,998,299)	(10,091,757)	(10,581,547)	(8,744,152)
	11,257,282	11,959,406	14,387,352	18,512,543	23,433,662	30,810,221	37,401,603	43,834,678	72,307,085	88,299,176	101,432,009	78,465,135
Net Income	214,741	1,457,275	929,493	416,920	1,072,095	66,913	4,228,440	9,898,231	7,156,570	20,604,041	47,191,454	106,059,578
Cumulative net income	12,672,897	14,130,171	15,059,665	15,476,585	16,548,680	16,615,594	20,844,034	30,742,265	54,982,547	119,601,075	308,689,558	688,431,617
EBITA												
Net income per above	214,741	1,457,275	929,493	416,920	1,072,095	66,913	4,228,440	9,898,231	7,156,570	20,604,041	47,191,454	106,059,578
Depreciation expense	2,253,787	3,212,260	3,475,702	4,745,512	6,540,109	10,443,703	13,475,869	15,652,154	22,327,810	25,528,330	26,993,651	26,667,001
Financing Expense	800,639	1,891,563	3,568,603	5,928,602	8,217,774	10,410,382	11,298,773	12,502,899	26,607,416	32,934,161	29,603,915	15,006,486
	3,269,167	6,561,097	7,973,798	11,091,034	15,829,978	20,920,998	29,003,082	38,053,283	56,091,796	79,066,532	103,789,020	147,733,065
CASH FLOW STATEMENT												
Cash inflow from revenue	11,472,023	13,416,681	15,316,845	18,929,464	24,505,758	30,877,134	41,630,043	53,732,908	79,463,656	108,903,217	148,623,463	184,524,713
Less: ADEU utility	(280,000)	(298,804)	(333,473)	(386,982)	(445,852)	(481,506)	(519,336)	(559,422)	(774,425)	(942,207)	(1,146,340)	(1,394,699)
Less: ADEU contract	(726,270)	(755,321)	(785,534)	(816,955)	(849,633)	(883,619)	(1,177,974)	(1,184,224)	(1,256,724)	(1,294,224)	(1,331,724)	(1,369,224)
Less: Payment to SPV	(6,794,330)	(7,367,133)	(8,270,180)	(10,694,072)	(14,535,360)	(19,071,555)	(26,714,958)	(35,445,040)	(54,446,485)	(78,078,630)	(111,078,998)	(56,874,877)
Less: LIEC Management and Overhead	(1,004,414)	(1,170,202)	(1,545,322)	(1,702,248)	(1,775,469)	(1,836,338)	(1,877,896)	(2,076,888)	(2,282,269)	(2,543,146)	(2,820,154)	(2,820,154)
Less: Utility - DCP	-	-	-	-	(56,015)	(177,334)	(423,426)	(904,715)	(1,110,052)	(1,310,052)	(1,631,999)	(706,915)
Less: Contract expense - DCP	(8,805,015)	(9,591,460)	(10,934,508)	(13,600,856)	(17,739,649)	(22,720,160)	(31,666,374)	(42,163,439)	(62,654,520)	(87,567,211)	(122,883,006)	(71,343,954)
Net cash flow from operations	2,667,008	3,825,220	4,382,337	5,328,607	6,766,108	8,156,974	9,963,669	11,569,470	16,809,136	21,336,005	25,740,456	113,180,759
Less: LIEC Financed Capital Projects	(3,256,000)	(2,984,961)	(1,800,661)	(2,364,549)	(6,759,847)	(6,853,427)	(4,542,044)	(4,507,680)	(1,576,001)	(2,031,338)	(2,292,987)	(1,913,569)
Less: Contributions	(3,004,800)	(3,122,200)	(2,923,784)	(9,510,501)	(6,424,549)	(5,539,029)	(22,330,416)	(14,528,580)	(7,539,827)	(4,145,241)	(6,223,143)	(124,822)
Add: Developers contributions	3,004,800	3,122,200	2,923,784	9,510,501	6,424,549	5,539,029	22,330,416	14,528,580	7,539,827	4,145,241	6,223,143	124,822
Annual Cash Flow	(588,992)	840,259	2,581,676	2,964,059	6,261	1,303,547	5,421,625	7,061,790	15,233,135	19,304,667	23,447,469	111,267,190
Cumulative cash flow	23,724,102	24,564,361	27,146,037	30,110,096	30,116,358	31,419,905	36,841,530	43,903,320	108,408,032	196,329,863	299,611,732	637,764,967
Cumulative cash flow	23,724,102	24,564,361	27,146,037	30,110,096	30,116,358	31,419,905	36,841,530	43,903,320	108,408,032	196,329,863	299,611,732	637,764,967
Revenue lag	(3,441,607)	(2,683,336)	(3,063,369)	(3,785,893)	(4,901,152)	(2,470,171)	(3,330,403)	(4,298,633)	(6,357,092)	(8,712,257)	(11,889,877)	(14,761,977)
Estimated year-end cash balance	20,282,495	21,881,025	24,082,668	26,324,203	25,215,206	28,949,734	33,511,126	39,604,687	102,050,939	187,617,606	287,721,855	623,002,990
Working capital	(2,397,865)	(2,733,627)	(3,400,214)	(4,434,912)	(5,680,040)	(7,916,593)	(10,540,860)	(11,437,037)	(16,565,391)	(23,754,772)	(27,805,233)	(17,835,988)
Capital projects	(2,984,961)	(1,800,661)	(2,364,549)	(6,759,847)	(6,853,427)	(4,542,044)	(4,507,680)	(1,501,674)	(1,595,521)	(2,561,644)	(11,325,436)	(1,913,569)
Estimated available cash for liability payout	14,899,669	17,346,737	18,317,906	15,129,444	12,681,739	16,491,096	18,462,587	26,665,975	83,890,027	161,301,190	248,591,186	603,253,433
Estimated PA liability payout	26,590,663	48,133,618	95,817,089	138,798,041	197,461,416	219,552,155	246,190,918	268,458,650	481,834,246	534,010,083	403,455,123	328,572,137

Disclaimer:
The financial model is based on information, projections, and assumptions available at the time of preparation. It reflects current market conditions, business strategies, and anticipated developments. The model is subject to change as circumstances evolve. Staff will review and update the financial model regularly to ensure its continued relevance and accuracy.

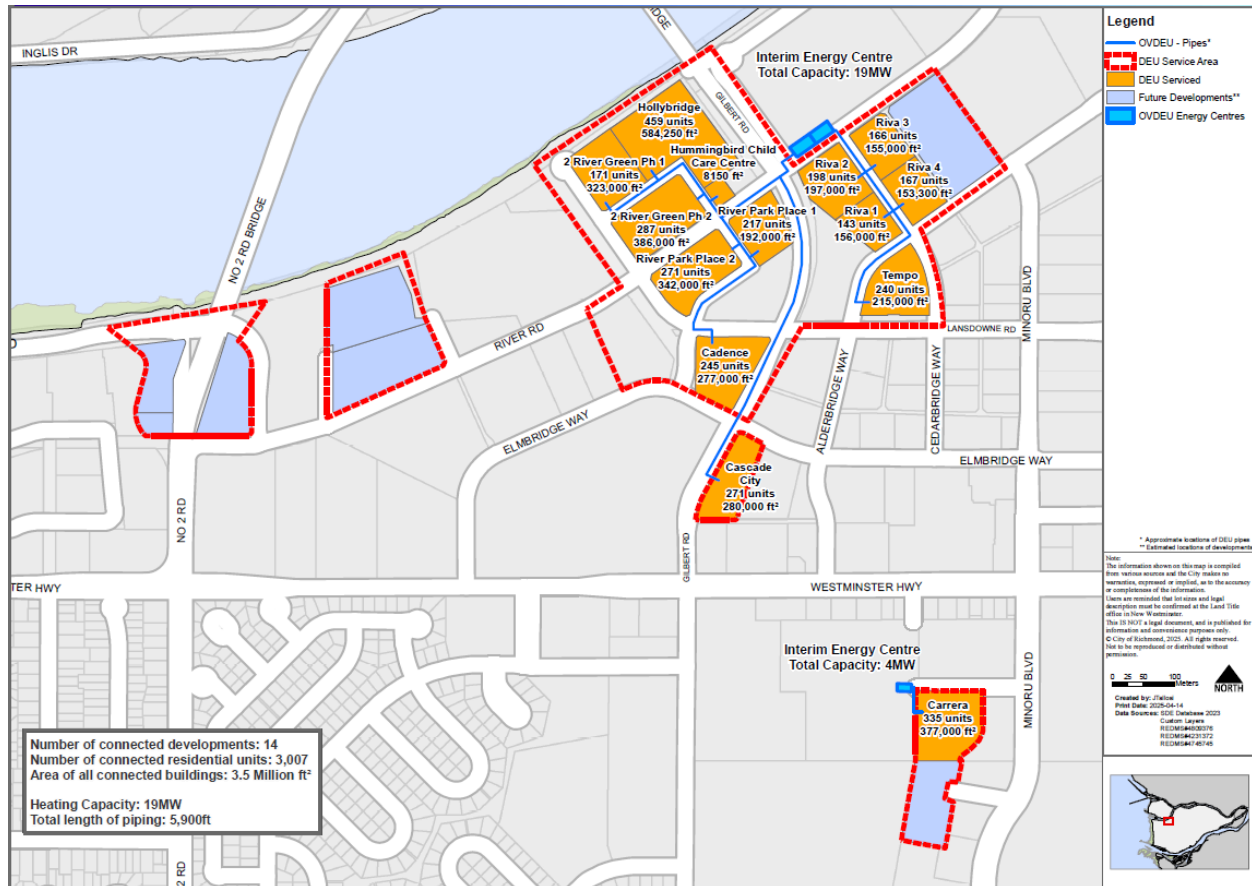
Attachment 3 – DEU Green House Gas (GHG) Emissions Reductions



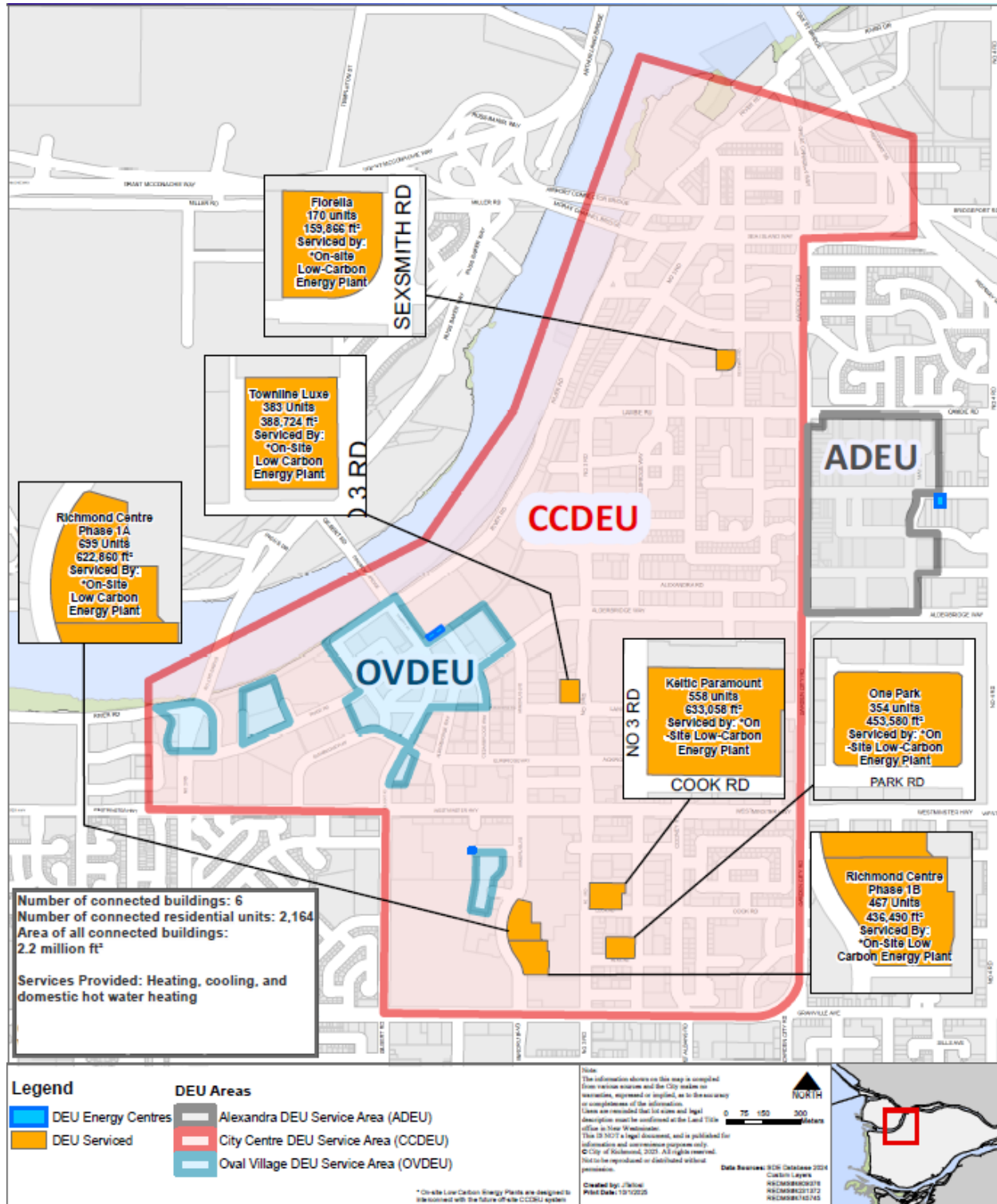
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Attachment 5 – Oval Village Neighbourhood and OVDEU Service Area



Attachment 6 – City Centre and CCDEU Service Area



Attachment 7 – ADEU Proposed 2026 Rates for Services

Table 1: Proposed Rates for Services, excluding commercial area (Area A)

	ADEU	
	2025	2026
Capacity Charge One: Monthly charge per square foot of the building gross floor area	\$0.1017	\$0.1058
Volumetric Charge: Charge per megawatt hour of energy consumed by the building	\$25.727	\$26.756
Excess Demand Fee - for each watt per square foot of each of the estimated peak heat energy demand and the estimated peak cooling demand that exceeds 6 W/ft ²	\$0.2067	\$0.2150

Table 2: Proposed Rates for Services, commercial area (Area A)

	Area A	
	2025	2026
Volumetric Charge: Charge per megawatt hour of energy consumed	\$99.861	\$103.855

Attachment 8 – OVDEU Proposed 2026 Rates for Services

OVDEU		
	2025	2026
Capacity Charge One: Monthly charge per square foot of the building gross floor area	\$0.0711	\$0.0739
Volumetric Charge: Charge per megawatt hour of energy consumed by the building	\$43.765	\$45.516
Excess Demand Fee - for each watt per square foot of the aggregate of the estimated peak heat energy demand that exceeds 6 W/ft ²	\$0.2067	\$0.2150

Attachment 9 – CCDEU Proposed 2026 Rates for Services

CCDEU		
	2025	2026
Capacity Charge One: Monthly charge per square foot of the building gross floor area	\$0.0829	\$0.0862
Volumetric Charge: Charge per megawatt hour of energy consumed by the building	\$50.942	\$52.980
Excess Demand Fee - for each watt per square foot of each of the estimated peak heat energy demand and the estimated peak cooling demand that exceeds 6 W/ft ²	\$0.2067	\$0.2150



**Alexandra District Energy Utility Bylaw No. 8641
Amendment Bylaw No. 10705**

The Council of the City of Richmond enacts as follows:

1. The Alexandra District Energy Utility Bylaw No. 8641, as amended, is further amended by deleting Schedule C (Rates and Charges) in its entirety and replacing it with a new Schedule C attached as Schedule A to this Bylaw.
2. This Bylaw is cited as **“Alexandra District Energy Utility Bylaw No. 8641, Amendment Bylaw No. 10705”**

FIRST READING

SECOND READING

THIRD READING

ADOPTED

MAYOR

CORPORATE OFFICER

CITY OF RICHMOND
APPROVED for content by originating dept. CR
APPROVED for legality by Solicitor BRB

Schedule A to Bylaw No. 10705***SCHEDULE C to BYLAW NO. 8641******Rates and Charges*****PART 1 - RATES FOR SERVICES**

The following charges, as amended from time to time, will constitute the Rates for Services for the Service Area excluding shaded Area A as shown in Schedule A to this Bylaw:

- (a) Capacity charge – a monthly charge of \$0.1058 per square foot of Gross Floor Area; and*
- (b) Volumetric charge – a charge of \$26.756 per megawatt hour of Energy returned from the Energy Transfer Station at the Designated Property.*

PART 2 - EXCESS DEMAND FEE

Excess demand fee of \$0.2150 for each watt per square foot of each of the estimated peak heat energy demand and estimated cooling demand referred to in section 21.1(e)(i), 21.1(e)(ii), and 21.1(e)(iii) that exceeds 6 watts per square foot.

PART 3 - RATES FOR SERVICES APPLICABLE TO AREA A

The following charges will constitute the Rates for Services applicable only to the Designated Properties identified within the shaded area (Area A) shown in Schedule A to this bylaw:

- (a) Volumetric charge – a charge of \$103.855 per megawatt hour of Energy returned from the Energy Transfer Station at the Designated Property calculated on each of (i) an energy use of 2644 MWh per annum (“Basic Supply Amount”), and (ii) any energy use in excess of the Basic Supply Amount.*



**Oval Village District Energy Utility Bylaw No. 9134
Amendment Bylaw No. 10706**

The Council of the City of Richmond enacts as follows:

1. The Oval Village District Energy Utility Bylaw No. 9134, as amended, is further amended by deleting Schedule D (Rates and Charges) of the Bylaw in its entirety and replacing it with a new Schedule D as attached as Schedule A to this Bylaw.
2. This Bylaw is cited as **“Oval Village District Energy Utility Bylaw No. 9134, Amendment Bylaw No. 10706”**.

FIRST READING

SECOND READING

THIRD READING

ADOPTED

MAYOR

CORPORATE OFFICER

CITY OF RICHMOND
APPROVED for content by originating dept. CR
APPROVED for legality by Solicitor BRB

Schedule A to Bylaw No. 10706

SCHEDULE D

Rates and Charges

PART 1 - RATES FOR SERVICES

The following charges, as amended from time to time, will constitute the Rates for Services:

- (a) capacity charge - a monthly charge of \$0.0739 per square foot of gross floor area;
and
- (b) volumetric charge – a monthly charge of \$45.516 per megawatt hour of Energy
returned from the Energy Transfer Station at the Designated Property.

PART 2 - EXCESS DEMAND FEE

Excess demand fee of \$0.2150 for each watt per square foot of the aggregate of the estimated peak heat energy demand referred to in section 19.1(e) (i), (ii), and (iii) that exceeds 6 watts per square foot.



**City Centre District Energy Utility Bylaw No. 9895
Amendment Bylaw No. 10707**

The Council of the City of Richmond enacts as follows:

1. City Centre District Energy Utility Bylaw No. 9895, as amended, is further amended by deleting Schedule D (Rates and Charges) in its entirety and replacing it with a new Schedule D as attached as Schedule A to this Bylaw.
2. This Bylaw is cited as “**City Centre District Energy Utility Bylaw No. 9895, Amendment Bylaw No. 10707**”.

FIRST READING

SECOND READING

THIRD READING

ADOPTED

MAYOR

CORPORATE OFFICER

CITY OF RICHMOND
APPROVED for content by originating dept. CR
APPROVED for legality by Solicitor BRB

Schedule A to Bylaw No. 10707

SCHEDULE D

Rates and Charges

PART 1 - RATES FOR SERVICES

The following charges, as amended from time to time, will constitute the Rates for Services:

- (a) capacity charge - a monthly charge of \$0.0862 per square foot of gross floor area;
and
- (b) volumetric charge – a monthly charge of \$52.980 per megawatt hour of Energy
returned from the Energy Transfer Station at the Designated Property.

PART 2 - EXCESS DEMAND FEE

Excess demand fee of \$0.2150 for each watt per square foot of each of the estimated peak heat energy demand and estimated cooling demand referred to in section 19.1(f) (i), 19.1(f) (ii) and 19.1(f) (iii) that exceeds 6 watts per square foot.