

Unitil Energy Systems, Inc.
Docket No. DE 21-121
Record Request

Received: July 23, 2021
Request No. RR 1
Exhibit No. 2

Date of Response: July 27, 2021
Witness: Lisa Glover

Request:

Please provide a five year history of the costs included in the Stranded Cost Charge and the External Delivery Charge.

Response:

Please refer to DE 21-121, Exhibit 2, Attachments 1, 2 and 3 for details regarding Unitil's Stranded Cost Charge ("SCC"), External Delivery Charge ("EDC"), and HQ Phase II Support Agreements. DE 21-121, Exhibit 2, Attachment 1 provides a history of the SCC costs. DE 21-121, Exhibit 2, Attachment 2 provides a history of the HQ Phase II Support Agreements. DE 21-121, Exhibit 2, Attachment 3 provides a history of the EDC costs.

Each attachment begins with August 2015, and the periods shown on each page run August-to-July, which correspond to the SCC and EDC rate year. Costs in the months that show estimated data were taken from the Company's June 17, 2021 filing in DE 21-121. The table below provides a summary of each cost, in total, by period.

	<u>Stranded Costs</u>	<u>Hydro Quebec Support Payments and Revenue Offset*</u>	<u>External Delivery Charge Costs</u>
Aug 2015-Jul 2016	(\$84,702)	(\$130,761)	\$26,023,482
Aug 2016-Jul 2017	(\$244,267)	(\$270,497)	\$29,711,165
Aug 2017-Jul 2018	(\$767,685)	(\$658,970)	\$29,723,475
Aug 2018-Jul 2019	(\$539,418)	(\$621,865)	\$28,399,684
Aug 2019-Jul 2020	(\$476,952)	(\$451,316)	\$30,589,535
Aug 2020-Jul 2021	(\$171,662)	(\$155,607)	\$38,326,563
Aug 2021-Jul 2022	(\$26,373)	(\$26,373)	\$37,197,382

* Hydro Quebec Support Payments and Revenue Offset are included in the Stranded Costs.

These attachments match schedules that have been included in each of the Company's Annual Stranded Cost Recovery and External Delivery Charge Reconciliation and Rate Filings. Data on Attachment 1 comes from the Annual Stranded Cost Recovery and External Delivery Charge Reconciliation and Rate Filings, Schedule LSG-1; Data on Attachment 2 comes from Schedule LSG-5; Data on Attachment 3 comes from Schedule LSG-2.

Unitil Energy Systems, Inc.
Costs for Stranded Cost Charge Reconciliation

		Contract Release Payments to Unitil Power Corp.	Total Costs
Aug-15	Actual	\$19,555	\$19,555
Sep-15	Actual	\$15,328	\$15,328
Oct-15	Actual	\$7,542	\$7,542
Nov-15	Actual	\$9,252	\$9,252
Dec-15	Actual	\$11,993	\$11,993
Jan-16	Actual	\$28,532	\$28,532
Feb-16	Actual	\$16,388	\$16,388
Mar-16	Actual	\$0	\$0
Apr-16	Actual	(\$90,996)	(\$90,996)
May-16	Actual	(\$25,537)	(\$25,537)
Jun-16	Actual	(\$44,995)	(\$44,995)
Jul-16	Actual	<u>(\$31,763)</u>	<u>(\$31,763)</u>
Total Aug-15 to Jul-16		(\$84,702)	(\$84,702)
Aug-16	Actual	(\$26,662)	(\$26,662)
Sep-16	Actual	(\$17,512)	(\$17,512)
Oct-16	Actual	(\$17,541)	(\$17,541)
Nov-16	Actual	(\$38,141)	(\$38,141)
Dec-16	Actual	(\$28,890)	(\$28,890)
Jan-17	Actual	(\$19,516)	(\$19,516)
Feb-17	Actual	(\$41,056)	(\$41,056)
Mar-17	Actual	(\$18,243)	(\$18,243)
Apr-17	Actual	(\$14,650)	(\$14,650)
May-17	Actual	(\$17,225)	(\$17,225)
Jun-17	Actual	(\$16,064)	(\$16,064)
Jul-17	Actual	<u>\$11,234</u>	<u>\$11,234</u>
Total Aug-16 to Jul-17		(\$244,267)	(\$244,267)
Aug-17	Actual	(\$15,137)	(\$15,137)
Sep-17	Actual	(\$55,268)	(\$55,268)
Oct-17	Actual	(\$66,837)	(\$66,837)
Nov-17	Actual	(\$59,047)	(\$59,047)
Dec-17	Actual	(\$56,145)	(\$56,145)
Jan-18	Actual	(\$108,208)	(\$108,208)
Feb-18	Actual	(\$135,213)	(\$135,213)
Mar-18	Actual	(\$47,985)	(\$47,985)
Apr-18	Actual	(\$52,219)	(\$52,219)
May-18	Actual	(\$47,369)	(\$47,369)
Jun-18	Actual	(\$38,045)	(\$38,045)
Jul-18	Actual	<u>(\$86,212)</u>	<u>(\$86,212)</u>
Total Aug-17 to Jul-18		(\$767,685)	(\$767,685)
Aug-18	Actual	(\$48,231)	(\$48,231)
Sep-18	Actual	(\$61,187)	(\$61,187)
Oct-18	Actual	(\$68,359)	(\$68,359)
Nov-18	Actual	(\$56,911)	(\$56,911)
Dec-18	Actual	(\$56,163)	(\$56,163)
Jan-19	Actual	(\$224)	(\$224)
Feb-19	Actual	(\$45,784)	(\$45,784)
Mar-19	Actual	(\$44,476)	(\$44,476)
Apr-19	Actual	(\$49,781)	(\$49,781)
May-19	Actual	(\$52,736)	(\$52,736)
Jun-19	Actual	(\$23,365)	(\$23,365)
Jul-19	Actual	<u>(\$32,201)</u>	<u>(\$32,201)</u>
Total Aug-18 to Jul-19		(\$539,418)	(\$539,418)

Unitil Energy Systems, Inc.
 Costs for Stranded Cost Charge Reconciliation

		Contract Release Payments to Unitil	
		Power Corp.	Total Costs
Aug-19	Actual	(\$65,276)	(\$65,276)
Sep-19	Actual	(\$73,756)	(\$73,756)
Oct-19	Actual	(\$36,490)	(\$36,490)
Nov-19	Actual	(\$51,270)	(\$51,270)
Dec-19	Actual	(\$11,510)	(\$11,510)
Jan-20	Actual	(\$32,858)	(\$32,858)
Feb-20	Actual	(\$18,624)	(\$18,624)
Mar-20	Actual	(\$42,669)	(\$42,669)
Apr-20	Actual	(\$37,508)	(\$37,508)
May-20	Actual	(\$45,861)	(\$45,861)
Jun-20	Actual	(\$36,166)	(\$36,166)
Jul-20	Actual	<u>(\$24,963)</u>	<u>(\$24,963)</u>
Total Aug-19 to Jul-20		(\$476,952)	(\$476,952)
Aug-20	Actual	(\$18,780)	(\$18,780)
Sep-20	Actual	(\$49,101)	(\$49,101)
Oct-20	Actual	(\$25,881)	(\$25,881)
Nov-20	Actual	(\$6,828)	(\$6,828)
Dec-20	Actual	(\$4,794)	(\$4,794)
Jan-21	Actual	(\$45,133)	(\$45,133)
Feb-21	Actual	\$0	\$0
Mar-21	Actual	\$0	\$0
Apr-21	Actual	\$0	\$0
May-21	Estimate	(\$14,654)	(\$14,654)
Jun-21	Estimate	(\$4,294)	(\$4,294)
Jul-21	Estimate	<u>(\$2,198)</u>	<u>(\$2,198)</u>
Total Aug-20 to Jul-21		(\$171,662)	(\$171,662)
Aug-21	Estimate	(\$2,198)	(\$2,198)
Sep-21	Estimate	(\$2,198)	(\$2,198)
Oct-21	Estimate	(\$2,198)	(\$2,198)
Nov-21	Estimate	(\$2,198)	(\$2,198)
Dec-21	Estimate	(\$2,198)	(\$2,198)
Jan-22	Estimate	(\$2,198)	(\$2,198)
Feb-22	Estimate	(\$2,198)	(\$2,198)
Mar-22	Estimate	(\$2,198)	(\$2,198)
Apr-22	Estimate	(\$2,198)	(\$2,198)
May-22	Estimate	(\$2,198)	(\$2,198)
Jun-22	Estimate	(\$2,198)	(\$2,198)
Jul-22	Estimate	<u>(\$2,198)</u>	<u>(\$2,198)</u>
Total Aug-21 to Jul-22		(\$26,373)	(\$26,373)

August 2015 - July 2016

	Aug-15 Actual	Sep-15 Actual	Oct-15 Actual	Nov-15 Actual	Dec-15 Actual	Jan-16 Actual	Feb-16 Actual	Mar-16 Actual	Apr-16 Actual	May-16 Actual	Jun-16 Actual	Jul-16 Actual	Total
Hydro Quebec Support Payments and Revenue Offset:													
1 Hydro Quebec Support Payments - Non-PTF (DC) Facilities	\$35,727	\$37,826	\$37,903	\$74,809	\$37,535	\$16,557	\$10,610	\$21,500	\$19,911	\$33,642	\$20,340	\$31,209	\$377,570
2 Resale of Transmission Rights and Capacity Credits	(\$26,178)	(\$26,066)	(\$25,770)	(\$46,965)	(\$24,498)	(\$24,762)	(\$91,973)	(\$46,753)	(\$46,674)	(\$47,075)	(\$48,508)	(\$48,591)	(\$503,813)
3 Net Cost of HQ Non-PTF (DC) Facilities - Line 1 plus Line 2	\$9,549	\$11,759	\$12,133	\$27,844	\$13,037	(\$8,205)	(\$81,363)	(\$25,253)	(\$26,762)	(\$13,433)	(\$28,168)	(\$17,382)	(\$126,243)
4 Hydro Quebec Support Payments - PTF (AC) Facilities	\$6,666	\$7,938	\$10,443	\$9,693	\$8,862	\$7,968	\$6,313	\$8,245	\$8,514	\$7,424	\$8,939	\$8,207	\$99,212
5 ISO-NE OATT Payments	(\$8,673)	(\$10,445)	(\$10,582)	(\$10,658)	(\$7,163)	(\$7,744)	(\$7,965)	(\$8,529)	(\$8,596)	(\$7,604)	(\$7,434)	(\$8,337)	(\$103,730)
6 Net Cost of HQ PTF (AC) Facilities - Line 4 plus Line 5	(\$2,008)	(\$2,507)	(\$140)	(\$965)	\$1,699	\$225	(\$1,653)	(\$284)	(\$82)	(\$180)	\$1,505	(\$130)	(\$4,518)
7 Net Hydro Quebec Support Payments ` Line 3 plus Line 6	\$7,542	\$9,252	\$11,993	\$26,880	\$14,736	(\$7,981)	(\$83,016)	(\$25,537)	(\$26,844)	(\$13,612)	(\$26,662)	(\$17,512)	(\$130,761)

August 2016 - July 2017

	Aug-16 Actual	Sep-16 Actual	Oct-16 Actual	Nov-16 Actual	Dec-16 Actual	Jan-17 Actual	Feb-17 Actual	Mar-17 Actual	Apr-17 Actual	May-17 Actual	Jun-17 Actual	Jul-17 Actual	Total
Hydro Quebec Support Payments and Revenue Offset:													
1 Hydro Quebec Support Payments - Non-PTF (DC) Facilities	\$18,306	\$27,892	\$25,791	\$29,587	\$27,139	\$29,212	\$33,408	\$28,212	\$27,164	\$59,784	\$32,812	\$32,904	\$372,211
2 Resale of Transmission Rights and Capacity Credits	(\$38,888)	(\$63,299)	(\$51,078)	(\$46,720)	(\$69,445)	(\$47,850)	(\$47,391)	(\$46,247)	(\$46,331)	(\$48,899)	(\$48,800)	(\$86,972)	(\$641,919)
3 Net Cost of HQ Non-PTF (DC) Facilities - Line 1 plus Line 2	(\$20,582)	(\$35,407)	(\$25,287)	(\$17,133)	(\$42,306)	(\$18,637)	(\$13,983)	(\$18,035)	(\$19,167)	\$10,885	(\$15,988)	(\$54,068)	(\$269,709)
4 Hydro Quebec Support Payments - PTF (AC) Facilities	\$12,069	\$8,212	\$7,886	\$7,948	\$8,658	\$8,245	\$8,189	\$9,637	\$11,316	\$8,297	\$7,970	\$7,816	\$106,243
5 ISO-NE OATT Payments	(\$9,029)	(\$10,946)	(\$11,488)	(\$10,332)	(\$7,408)	(\$7,851)	(\$8,856)	(\$8,827)	(\$8,214)	(\$7,947)	(\$7,119)	(\$9,016)	(\$107,032)
6 Net Cost of HQ PTF (AC) Facilities - Line 4 plus Line 5	\$3,041	(\$2,734)	(\$3,603)	(\$2,384)	\$1,250	\$394	(\$667)	\$810	\$3,103	\$349	\$852	(\$1,200)	(\$789)
7 Net Hydro Quebec Support Payments ` Line 3 plus Line 6	(\$17,541)	(\$38,141)	(\$28,890)	(\$19,517)	(\$41,056)	(\$18,243)	(\$14,650)	(\$17,225)	(\$16,064)	\$11,234	(\$15,137)	(\$55,268)	(\$270,497)

August 2017 - July 2018

	Aug-17 Actual	Sep-17 Actual	Oct-17 Actual	Nov-17 Actual	Dec-17 Actual	Jan-18 Actual	Feb-18 Actual	Mar-18 Actual	Apr-18 Actual	May-18 Actual	Jun-18 Actual	Jul-18 Actual	Total
Hydro Quebec Support Payments and Revenue Offset:													
1 Hydro Quebec Support Payments - Non-PTF (DC) Facilities	\$35,166	\$34,015	\$35,101	\$24,444	\$5,508	\$33,699	\$30,587	\$35,516	\$35,238	\$35,875	\$35,923	\$33,794	\$374,866
2 Resale of Transmission Rights and Capacity Credits	(\$100,070)	(\$91,332)	(\$89,821)	(\$69,209)	(\$82,028)	(\$82,343)	(\$82,614)	(\$81,861)	(\$62,087)	(\$107,627)	(\$84,802)	(\$95,207)	(\$1,029,001)
3 Net Cost of HQ Non-PTF (DC) Facilities - Line 1 plus Line 2	(\$64,904)	(\$57,317)	(\$54,719)	(\$44,765)	(\$76,520)	(\$48,644)	(\$52,027)	(\$46,346)	(\$26,850)	(\$71,752)	(\$48,879)	(\$61,413)	(\$654,136)
4 Hydro Quebec Support Payments - PTF (AC) Facilities	\$8,072	\$8,054	\$8,084	\$4,835	\$8,053	\$7,807	\$8,440	\$7,733	\$10,835	\$6,983	\$7,251	\$7,550	\$93,697
5 ISO-NE OATT Payments	(\$10,005)	(\$9,785)	(\$9,510)	(\$8,813)	(\$7,281)	(\$7,147)	(\$8,632)	(\$8,757)	(\$7,631)	(\$7,043)	(\$6,603)	(\$7,324)	(\$98,532)
6 Net Cost of HQ PTF (AC) Facilities - Line 4 plus Line 5	(\$1,933)	(\$1,731)	(\$1,425)	(\$3,978)	\$771	\$659	(\$192)	(\$1,024)	\$3,204	(\$60)	\$648	\$226	(\$4,835)
7 Net Hydro Quebec Support Payments - Line 3 plus Line 6	(\$66,837)	(\$59,047)	(\$56,145)	(\$48,744)	(\$75,749)	(\$47,985)	(\$52,219)	(\$47,369)	(\$23,645)	(\$71,812)	(\$48,231)	(\$61,187)	(\$658,970)

August 2018 - July 2019

	Aug-18 Actual	Sep-18 Actual	Oct-18 Actual	Nov-18 Actual	Dec-18 Actual	Jan-19 Actual	Feb-19 Actual	Mar-19 Actual	Apr-19 Actual	May-19 Actual	Jun-19 Actual	Jul-19 Actual	Total
Hydro Quebec Support Payments and Revenue Offset:													
1 Hydro Quebec Support Payments - Non-PTF (DC) Facilities	\$30,937	\$38,926	\$40,417	\$87,101	\$39,951	\$39,095	\$33,201	\$30,582	\$36,033	\$42,764	\$32,645	\$36,345	\$487,999
2 Resale of Transmission Rights and Capacity Credits	(\$97,947)	(\$92,975)	(\$93,256)	(\$92,442)	(\$93,756)	(\$84,444)	(\$82,174)	(\$81,730)	(\$81,566)	(\$91,584)	(\$99,746)	(\$110,698)	(\$1,102,317)
3 Net Cost of HQ Non-PTF (DC) Facilities - Line 1 plus Line 2	(\$67,009)	(\$54,049)	(\$52,839)	(\$5,341)	(\$53,804)	(\$45,349)	(\$48,973)	(\$51,148)	(\$45,533)	(\$48,820)	(\$67,101)	(\$74,352)	(\$614,319)
4 Hydro Quebec Support Payments - PTF (AC) Facilities	\$7,428	\$7,290	\$7,460	\$7,392	\$7,377	\$8,179	\$6,806	\$6,996	\$11,407	\$5,520	\$8,070	\$7,018	\$90,943
5 ISO-NE OATT Payments	(\$8,778)	(\$10,152)	(\$10,784)	(\$10,192)	(\$7,274)	(\$7,307)	(\$7,614)	(\$8,584)	(\$7,738)	(\$7,401)	(\$6,245)	(\$6,421)	(\$98,489)
6 Net Cost of HQ PTF (AC) Facilities - Line 4 plus Line 5	(\$1,350)	(\$2,862)	(\$3,324)	(\$2,800)	\$104	\$873	(\$808)	(\$1,588)	\$3,668	(\$1,881)	\$1,825	\$597	(\$7,546)
7 Net Hydro Quebec Support Payments - Line 3 plus Line 6	(\$68,359)	(\$56,911)	(\$56,163)	(\$8,141)	(\$53,701)	(\$44,476)	(\$49,781)	(\$52,736)	(\$41,865)	(\$50,701)	(\$65,276)	(\$73,756)	(\$621,865)

External Delivery Costs:	Vendor(s):	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
		Third Party Transmission Providers (Eversource Network Integration Transmission Service)	Regional Transmission and Operating Entities	Third Party Transmission Providers (Eversource Wholesale Distribution)	Transmission-based Assessments and Fees	Load Estimation and Reporting System Costs	Data and Information Services	Legal Charges	Consulting Outside Service Charges	Administrative Service Charges (1)	EDC Portion of the annual PUC Assessment	Working Capital associated with Other Flow-Through Operating Expenses (2)	RGGI Auction Proceeds	Total EDC Costs (sum a thru l)
		Eversource	ISO New England Inc., Regional Transmission Operator, Nepool	Eversource	Federal Energy Regulatory Commission	LOGICA INC. & EC Infosystems	Connecticut Municipal Electric Energy Cooperative			Unitil Power Corp.				
Aug-15	Actual	\$121,893	\$2,150,192	\$288,719	\$0	\$3,677	\$1,250	\$0	\$325	\$75	\$33,498	\$40,227	\$0	\$2,639,857
Sep-15	Actual	\$125,500	\$2,258,357	\$297,741	\$0	\$25,202	\$1,250	\$0	\$685	\$46	(\$44,218)(3)	\$40,566	\$0	\$2,705,130
Oct-15	Actual	\$33,650	\$1,560,380	\$207,287	\$0	\$16,364	\$1,250	\$0	\$325	\$58	\$36,002	\$30,030	\$0	\$1,885,345
Nov-15	Actual	\$124,366	\$1,708,444	\$209,226	\$0	\$16,322	\$1,250	\$0	\$943	\$57	\$36,002	\$32,236	(\$756,472)	\$1,372,374
Dec-15	Actual	\$126,861	\$1,862,977	\$213,725	\$0	\$20,257	\$1,250	\$0	\$476	\$86	\$36,002	\$38,006	\$0	\$2,299,640
Jan-16	Actual	\$125,992	\$1,919,345	\$225,691	\$0	\$12,632	\$1,250	\$0	\$325	\$96	\$36,002	\$35,070	(\$606,571)	\$1,749,832
Feb-16	Actual	(\$3,913)	\$1,812,934	\$220,260	\$0	\$27,996	\$1,250	\$0	\$325	\$5,215	\$36,002	\$32,191	\$0	\$2,132,259
Mar-16	Actual	\$60,953	\$1,614,265	\$203,110	\$0	\$19,158	\$1,250	\$1,750	\$665	\$0	\$36,002	\$30,948	(\$394,237)	\$1,563,764
Apr-16	Actual	\$60,192	\$1,519,617	\$208,221	\$0	\$23,483	\$1,250	\$230	\$325	\$61	\$36,002	\$29,670	\$0	\$1,879,251
May-16	Actual	\$61,388	\$1,757,153	\$223,601	\$0	\$12,663	\$1,250	\$0	\$325	(\$80)	\$36,002	\$33,514	\$0	\$2,125,817
Jun-16	Actual	\$145,124	\$2,056,529	\$251,363	\$0	\$20,545	\$1,250	\$0	\$780	\$17	\$36,002	\$40,798	\$0	\$2,552,408
Jul-16	Actual	<u>\$621,023</u>	<u>\$2,414,293</u>	<u>\$300,361</u>	<u>\$11,728</u>	<u>\$16,755</u>	<u>\$1,250</u>	<u>\$0</u>	<u>\$325</u>	<u>\$63</u>	<u>\$36,002</u>	<u>\$51,170</u>	<u>(\$355,165)</u>	<u>\$3,097,806</u>
Total Aug-15 to Jul-16		\$1,603,029	\$22,634,487	\$2,849,305	\$11,728	\$215,053	\$15,000	\$1,980	\$5,924	\$5,694	\$349,301	\$434,426	(\$2,102,444)	\$26,023,482

- (1) Breakdown of costs included in the Administrative Service Charge are presented in Schedule LSG-3 as filed in Unitil's Annual Stranded Cost Recovery and External Delivery Charge Reconciliation and Rate Filing.
(2) Per DE 10-055: Calculated by multiplying the product of monthly Other Flow-Through Operating Expenses and 45 days lag, divided by 365 days (i.e., the working capital requirement) by UES's tax adjusted cost of capital of 11.39%.
(3) Includes adjustment to correct Quarter 3 EDC Portion of the annual PUC Assessment. July and August 2015 had been booked based on Quarter 2 bill.

External Delivery Costs:	Vendor(s):	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
		Third Party Transmission Providers (Eversource Network Integration Transmission Service)	Regional Transmission and Operating Entities	Third Party Transmission Providers (Eversource Wholesale Distribution)	Transmission-based Assessments and Fees	Load Estimation and Reporting System Costs	Data and Information Services	Legal Charges	Consulting Outside Service Charges	Administrative Service Charges (1)	EDC Portion of the annual PUC Assessment	Working Capital associated with Other Flow-Through Operating Expenses (2)	RGGI Auction Proceeds	Total EDC Costs (sum a thru l)
		Eversource	ISO New England Inc., Regional Transmission Operator, Nepool	Eversource	Federal Energy Regulatory Commission	LOGICA INC. & EC Infosystems	Connecticut Municipal Electric Energy Cooperative			Unitil Power Corp.				
Aug-16	Actual	\$145,430	\$2,454,095	\$317,393	\$0	\$16,663	\$1,250	\$345	\$0	\$81	(\$6,029)	\$45,796	\$0	\$2,975,024
Sep-16	Actual	\$145,997	\$2,251,696	\$275,153	\$0	\$16,652	\$1,250	\$261	\$0	\$106	\$14,986	\$40,985	\$0	\$2,747,086
Oct-16	Actual	\$149,444	\$1,525,047	\$222,183	\$0	\$16,659	\$0	\$542	\$0	\$121	\$45,182	\$31,707	(\$320,047)	\$1,670,837
Nov-16	Actual	\$146,782	\$1,680,859	\$222,158	\$0	\$16,899	\$1,250	\$0	\$40	\$127	\$45,182	\$32,553	\$0	\$2,145,848
Dec-16	Actual	\$146,128	\$1,924,737	\$230,441	\$0	\$16,776	\$1,250	\$0	\$21,711	\$34	\$45,182	\$39,544	\$0	\$2,425,802
Jan-17	Actual	\$145,822	\$1,822,134	\$229,466	\$0	\$16,594	\$1,250	\$0	\$0	(\$2)	\$45,182	\$31,974	(\$230,542)	\$2,061,878
Feb-17	Actual	\$112,314	\$1,678,319	\$222,994	\$0	\$16,475	\$1,250	\$0	\$0	\$5,207	\$45,182	\$29,296	\$0	\$2,111,037
Mar-17	Actual	\$77,708	\$1,666,123	\$222,157	\$0	\$16,512	\$1,250	\$0	\$0	\$284	\$45,182	\$28,974	(\$173,531)	\$1,884,660
Apr-17	Actual	\$112,314	\$1,529,434	(\$0)	\$0	\$16,547	\$1,250	\$3,554	\$1,120	\$58	\$45,182	\$24,353	\$0	\$1,733,812
May-17	Actual	\$431,020	\$2,021,400	\$469,218	\$0	\$16,508	\$2,500	\$518	\$891	(\$228)	(\$353,684)	\$37,362	\$0	\$2,625,504
Jun-17	Actual	\$112,885	\$2,792,952	\$296,258	\$0	\$16,502	\$1,250	\$0	\$1,180	\$211	\$7,549	\$44,097	\$0	\$3,272,884
Jul-17	Actual	<u>\$1,155,971</u>	<u>\$2,669,309</u>	<u>\$285,162</u>	<u>\$11,388</u>	<u>\$16,668</u>	<u>\$1,250</u>	<u>\$0</u>	<u>\$0</u>	<u>\$341</u>	<u>\$7,549</u>	<u>\$56,916</u>	<u>(\$147,758)</u>	<u>\$4,056,795</u>
Total Aug-16 to Jul-17		\$2,881,815	\$24,016,103	\$2,992,582	\$11,388	\$199,455	\$15,000	\$5,220	\$24,942	\$6,338	(\$13,355)	\$443,556	(\$871,878)	\$29,711,165

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(2) Calculated by multiplying the product of monthly Other Flow-Through Operating Expenses and 45 days lag, divided by 365 days (i.e., the working capital requirement) by UES's tax adjusted cost of capital. Tax adjusted cost of capital is 11.39% for the period August 2016-December 2016, 11.25% for the period January-April 2017, and 11.49% for the period beginning May 2017.

	(a) Third Party Transmission Providers (Eversource Network Integration Transmission Service)	(b) Regional Transmission and Operating Entities ISO New England Inc., Regional Transmission Operator, Nepoch	(c) Third Party Transmission Providers (Eversource Wholesale Distribution)	(d) Working Capital associated with Other Flow- Through Operating Expenses- Transmission Costs only (2)	(e) Sub-total: Transmission Costs included in the EDC (sum a thru d)	(f) Transmission- based Assessments and Fees	(g) Load Estimation and Reporting System Costs	(h) Unmetered Purchased Power	(i) Data and Information Services	(j) Legal Charges	(k) Consulting Outside Service Charges (UES) & OCA Consultant Expense	(l) Administrative Service Charges (1)	(m) EDC Portion of the annual PUC Assessment	(n) Net Metering Credits	(o) Net Metering costs	(p) RGGI Auction Proceeds	(q) Other Regulatory Expenses	(r) Working Capital associated with Other Flow- Through Operating Expenses - excluding transmission costs (3)	(s) Displaced Distribution Revenue	(t) Sub-total Non- Transmission Costs included in the EDC (sum f thru s)	(u) Total EDC Costs (e plus t)
Vendor(s):	Eversource	Operator, Nepoch	Eversource			Federal Energy Regulatory Commission	LOGICA INC. & Energy Services Group, Inc. (ESG)	ISO New England Inc., Regional Transmission Operator	Connecticut Municipal Electric Energy Cooperative			Unitil Power Corp.									
Aug-21 Estimate	\$337,065	\$3,168,014	\$290,288	\$47,447	\$3,842,815	\$12,000	\$24,000	\$0	\$1,250	\$2,167	\$4,583	(\$90)	\$13,500	\$11,944	\$0	\$0	\$0	\$5,700	\$291,559	\$366,613	\$4,209,428
Sep-21 Estimate	\$337,065	\$2,769,200	\$253,123	\$41,997	\$3,401,385	\$0	\$24,000	\$0	\$1,250	\$2,167	\$4,583	(\$90)	\$13,500	\$15,517	\$0	\$0	\$0	\$5,700	\$0	\$66,627	\$3,468,012
Oct-21 Estimate	\$337,065	\$2,132,913	\$208,412	\$33,484	\$2,711,873	\$0	\$24,000	\$0	\$1,250	\$2,167	\$4,583	(\$90)	\$13,500	\$9,542	\$0	(\$531,880)	\$0	\$5,700	\$0	(\$471,227)	\$2,240,646
Nov-21 Estimate	\$337,065	\$2,285,493	\$208,522	\$35,392	\$2,866,472	\$0	\$24,000	\$0	\$1,250	\$2,167	\$4,583	(\$90)	\$13,500	\$3,016	\$0	\$0	\$0	\$5,700	\$0	\$54,126	\$2,920,598
Dec-21 Estimate	\$337,065	\$2,554,852	\$233,149	\$39,068	\$3,164,134	\$0	\$24,000	\$0	\$1,250	\$2,167	\$4,583	(\$90)	\$13,500	\$1,576	\$0	\$0	\$0	\$5,700	\$0	\$52,686	\$3,216,820
Jan-22 Estimate	\$337,065	\$2,565,401	\$234,132	\$39,212	\$3,175,810	\$0	\$24,000	\$0	\$1,250	\$2,167	\$4,583	(\$90)	\$13,500	\$1,060	\$0	(\$531,880)	\$0	\$5,700	\$0	(\$479,710)	\$2,696,100
Feb-22 Estimate	\$337,065	\$2,439,706	\$222,418	\$37,494	\$3,036,684	\$0	\$24,000	\$0	\$1,250	\$5,167	\$4,583	\$4,910	\$13,500	\$1,060	\$0	\$0	\$0	\$5,700	\$0	\$60,160	\$3,096,844
Mar-22 Estimate	\$337,065	\$2,287,046	\$208,412	\$35,410	\$2,867,934	\$0	\$24,000	\$0	\$1,250	\$2,167	\$4,583	(\$90)	\$13,500	\$8,868	\$0	\$0	\$0	\$5,700	\$0	\$59,978	\$2,927,912
Apr-22 Estimate	\$337,065	\$2,057,123	\$208,412	\$32,536	\$2,635,136	\$0	\$24,000	\$0	\$1,250	\$2,167	\$4,583	(\$90)	\$13,500	\$19,455	\$0	(\$531,880)	\$0	\$5,700	\$0	(\$461,315)	\$2,173,821
May-22 Estimate	\$337,065	\$2,421,340	\$220,707	\$37,243	\$3,016,355	\$0	\$24,000	\$0	\$1,250	\$2,167	\$4,583	(\$90)	\$13,500	\$19,425	\$0	\$0	\$0	\$5,700	\$0	\$70,535	\$3,086,890
Jun-22 Estimate	\$337,065	\$2,968,616	\$271,520	\$44,695	\$3,619,896	\$0	\$24,000	\$0	\$1,250	\$2,167	\$4,583	(\$90)	\$13,500	\$19,425	\$0	\$0	\$0	\$5,700	\$0	\$70,535	\$3,690,431
Jul-22 Estimate	\$337,065	\$3,247,889	\$297,731	\$48,539	\$3,931,224	\$0	\$24,000	\$0	\$1,250	\$2,167	\$4,583	(\$90)	\$13,500	\$19,425	\$0	(\$531,880)	\$0	\$5,700	\$0	(\$461,345)	\$3,469,880
Total Aug-21 to Jul-22	\$4,044,785	\$30,895,592	\$2,856,824	\$472,517	\$38,269,718	\$12,000	\$288,000	\$0	\$15,000	\$29,000	\$55,000	\$3,920	\$162,000	\$130,303	\$0	(\$2,127,518)	\$0	\$68,400	\$291,559	(\$1,072,336)	\$37,197,382

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(2) Calculated by multiplying the product of monthly Other Flow-Through Operating Expenses-Transmission Costs Only and 45 days lag, divided by 365 days (i.e., the working capital requirement) by UES's tax adjusted cost of capital. Tax adjusted cost of capital is 10.14%.

(3) Calculated by multiplying the product of monthly Other Flow-Through Operating Expenses-Excluding Transmission Costs and 45 days lag, divided by 365 days (i.e., the working capital requirement) by UES's tax adjusted cost of capital. Tax adjusted cost of capital is 10.14%.