

CENTRAL HUDSON GAS & ELECTRIC CORPORATION

CASE 17-E- & CASE 17-G-

MARK J. HOLTERMANN

(INFORMATION TECHNOLOGY)
SCHEDULE OF EXHIBITS

IT PROJECT FUNDING REQUIREMENTS (MJH-1)

CENTRAL HUDSON DIGITAL ROADMAP (MJH-2)

CENTRAL HUDSON GAS & ELECTRIC CORPORATION

CASE 17-E-_____ & 17-G-_____

IT Project Funding Requirements

IT Capital	Schedule A
IT Expense	Schedule B

CENTRAL HUDSON GAS & ELECTRIC CORPORATION
IT PROJECT FUNDING REQUIREMENTS
CAPITAL (\$'000)

Description	2018	2019	2020	2021	2022	TOTAL	Rate Year (7/1/18-6/30/19)
Investments to Serve Customers and to Meet Industry or Regulatory Demands:	\$ 3,695	\$ 5,883	\$ 5,647	\$ 5,618	\$ 5,789	\$ 26,632	\$ 5,640
CIS Modernization	\$ 1,717	\$ 3,073	\$ 3,048	\$ 2,955	\$ 3,044	\$ 13,837	\$ 3,231
Business Intelligence (Cognos) - New Development	\$ 833	\$ 848	\$ 866	\$ 888	\$ 915	\$ 4,350	\$ 712
Business Agility with an Enterprise SOA Framework	\$ 937	\$ 1,220	\$ 1,300	\$ 1,331	\$ 1,372	\$ 6,160	\$ 1,122
Unified Communications, VoIP, IVR - Extending Collaboration	\$ 208	\$ 742	\$ 433	\$ 444	\$ 457	\$ 2,285	\$ 575
Investments To Ensure Overall Security of the Business' and Customers' Information	\$ 416	\$ 424	\$ 433	\$ 444	\$ 457	\$ 2,175	\$ 285
Investments to Support Internal Business Processes:	\$ 5,837	\$ 6,067	\$ 5,349	\$ 5,146	\$ 4,188	\$ 26,586	\$ 7,247
HRIS - TotalHR Replacement	\$ 520	\$ 742	\$ 542	\$ 277	\$ 229	\$ 2,310	\$ 886
PowerPlan - Construction Budgeting Redesign	\$ 1,041	\$ -	\$ -	\$ -	\$ -	\$ 1,041	\$ 931
Enterprise Content Management - future Phases	\$ 1,327	\$ 1,352	\$ 1,381	\$ 1,415	\$ 858	\$ 6,332	\$ 1,425
Corporate Intranet / Central Hudson 'Wiki' Redesign	\$ 437	\$ 583	\$ 596	\$ 277	\$ 286	\$ 2,179	\$ 600
Increase the Quality & Speed of Delivery of Application Testing	\$ 520	\$ 530	\$ 542	\$ 555	\$ 572	\$ 2,719	\$ 625
Emergent Software Packages	\$ 625	\$ 1,270	\$ 1,477	\$ 1,735	\$ 2,015	\$ 7,121	\$ 1,251
Additional Business Driven Initiatives	\$ 1,366	\$ 1,589	\$ 812	\$ 888	\$ 229	\$ 4,884	\$ 1,529
Investments Core to Running the Business:	\$ 6,107	\$ 5,255	\$ 5,010	\$ 5,531	\$ 5,554	\$ 27,457	\$ 5,615
Upgrades and Enhancements	\$ 2,989	\$ 2,830	\$ 2,472	\$ 2,940	\$ 2,908	\$ 14,139	\$ 3,327
Hardware & Infrastructure	\$ 3,118	\$ 2,426	\$ 2,538	\$ 2,591	\$ 2,646	\$ 13,318	\$ 2,288
Investments to Enrich the Customer Experience and Improve Customer Engagement:	\$ 1,874	\$ 3,179	\$ 2,723	\$ 2,789	\$ 2,873	\$ 13,436	\$ 3,005
Digital Initiatives for Customer Engagement (DICE)	\$ 1,353	\$ 2,542	\$ 2,560	\$ 2,622	\$ 2,701	\$ 11,779	\$ 2,172
Customer Bill Redesign	\$ 520	\$ 636	\$ 162	\$ 166	\$ 172	\$ 1,657	\$ 833
TOTAL:	\$ 17,929	\$ 20,808	\$ 19,162	\$ 19,527	\$ 18,860	\$ 96,286	\$ 21,792

CENTRAL HUDSON GAS & ELECTRIC CORPORATION
IT PROJECT FUNDING REQUIREMENTS
ELECTRIC EXPENSE

Item	Year Ended March 31, 2017			Year Ending December 31, 2017	Year Ending December 31, 2018	Rate Year 1 Twelve Months Ending June 30, 2019
	Per Books	Normalization Adjustment	As Adjusted			
Information Technology	4,311,922	162,557	4,474,479	4,820,250	5,965,387	7,285,401
IT Business Unit						
Historic Year @ Inflation	3,387,495	(23,784)	3,363,711	3,414,167	3,489,278	3,531,150
Incremental O&M - New Initiatives	-	-	-	258,984	876,726	1,790,363
	3,387,495	(23,784)	3,363,711	3,673,151	4,366,005	5,321,512
All Other Business Units						
Historic Year @ Inflation	924,427	186,341	1,110,768	1,127,430	1,152,233	1,166,060
Incremental O&M - New Initiatives	-	-	-	19,670	447,149	797,829
	924,427	186,341	1,110,768	1,147,099	1,599,382	1,963,889
Electric - Total						
Information Technology	<u>4,311,922</u>	<u>162,557</u>	<u>4,474,479</u>	<u>4,820,250</u>	<u>5,965,387</u>	<u>7,285,401</u>

CENTRAL HUDSON GAS & ELECTRIC CORPORATION
IT PROJECT FUNDING REQUIREMENTS
GAS EXPENSE

Item	Year Ended March 31, 2017			Year Ending December 31, 2017	Year Ending December 31, 2018	Rate Year 1 Twelve Months Ending June 30, 2019
	Per Books	Normalization Adjustment	As Adjusted			
Information Technology	1,179,762	78,197	1,257,959	1,321,503	1,596,946	1,923,580
IT Business Unit						
Historic Year @ Inflation	769,960	10,499	780,459	792,166	809,594	819,309
Incremental O&M - New Initiatives	-	-	-	120,094	276,316	505,253
	769,960	10,499	780,459	912,260	1,085,910	1,324,562
All Other Business Units						
Historic Year @ Inflation	409,802	67,698	477,500	484,663	495,325	501,269
Incremental O&M - New Initiatives	-	-	-	(75,419)	15,711	97,749
	409,802	67,698	477,500	409,243	511,036	599,018
Gas- Total						
Information Technology	<u>1,179,762</u>	<u>78,197</u>	<u>1,257,959</u>	<u>1,321,503</u>	<u>1,596,946</u>	<u>1,923,580</u>

CENTRAL HUDSON GAS & ELECTRIC CORPORATION
IT PROJECT FUNDING REQUIREMENTS
SUMMARY EXPENSE

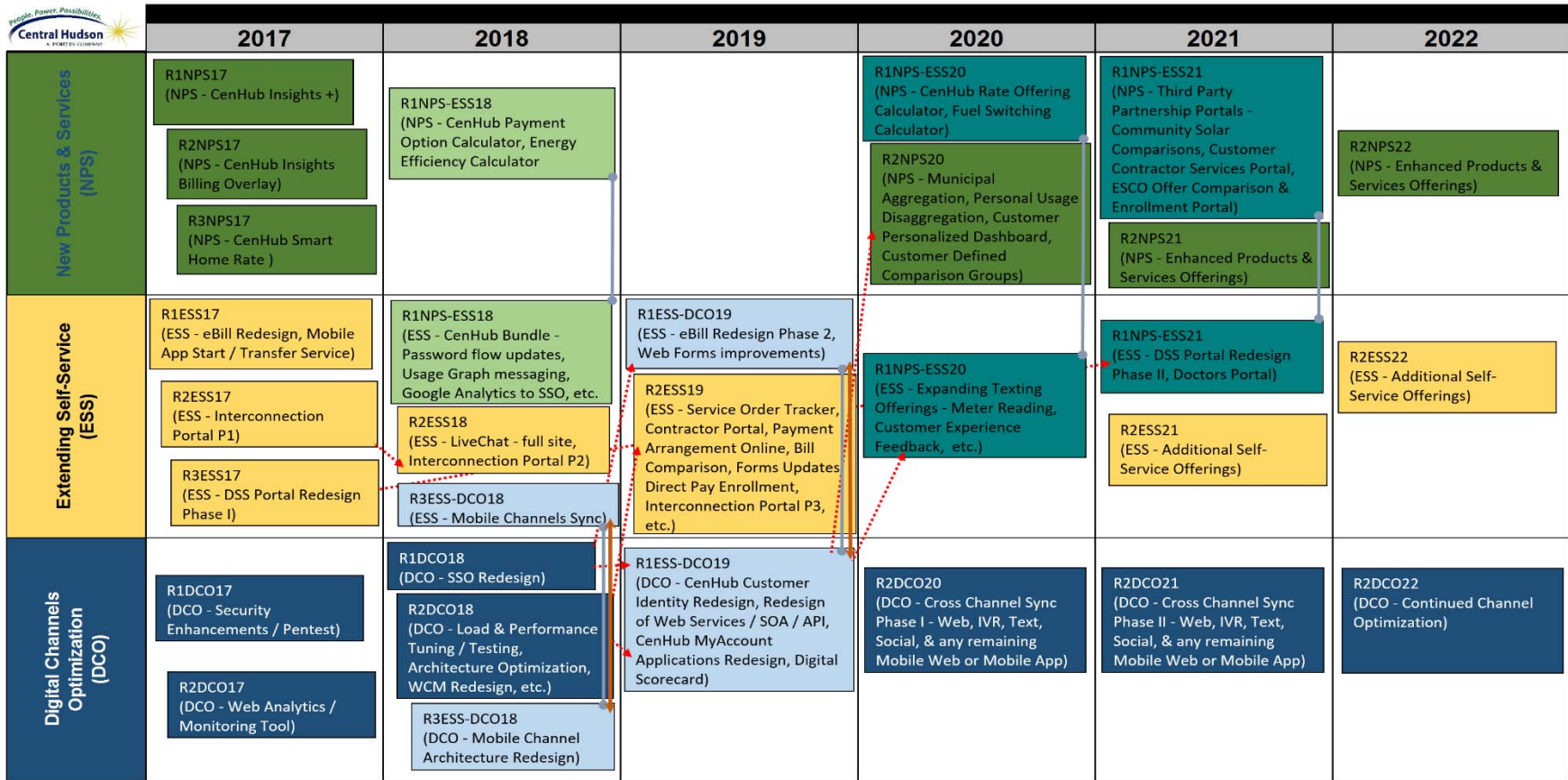
Item	Year Ended March 31, 2017			Year Ending December 31, 2017	Year Ending December 31, 2018	Rate Year 1 Twelve Months Ending June 30, 2019
	Per Books	Normalization Adjustment	As Adjusted			
Information Technology	5,491,684	240,754	5,732,438	6,141,753	7,562,333	9,208,981
IT Business Unit						
Historic Year @ Inflation	4,157,455	(13,285)	4,144,170	4,206,333	4,298,872	4,350,458
Incremental O&M - New Initiatives	-	-	-	379,078	1,153,043	2,295,616
	4,157,455	(13,285)	4,144,170	4,585,411	5,451,915	6,646,074
All Other Business Units						
Historic Year @ Inflation	1,334,229	254,039	1,588,268	1,612,092	1,647,558	1,667,329
Incremental O&M - New Initiatives	-	-	-	(55,750)	462,860	895,578
	1,334,229	254,039	1,588,268	1,556,342	2,110,418	2,562,907
Summary - Total						
Information Technology	<u>5,491,684</u>	<u>240,754</u>	<u>5,732,438</u>	<u>6,141,753</u>	<u>7,562,333</u>	<u>9,208,981</u>

CENTRAL HUDSON GAS & ELECTRIC CORPORATION
IT PROJECT FUNDING REQUIREMENTS
SUMMARY EXPENSE FOR SPECIFIC INITIATIVES

<u>Item</u>	<u>Year Ending December 31, 2017</u>	<u>Year Ending December 31, 2018</u>	<u>Rate Year 1 Twelve Months Ending June 30, 2019</u>
Customer Information System (CIS) Modernization - Current			
Customer Information System (CIS) Modernization - Incremental		104,550	209,100
Business Intelligence - Current	165,025	168,656	170,679
Business Intelligence - Incremental	25,500	27,806	51,612
Business Agility with an Enterprise Services Oriented Architecture ("SOA") Framework - Current	103,240	105,511	106,777
Business Agility with an Enterprise Services Oriented Architecture ("SOA") Framework - Incremental	30,600	38,250	76,500
	205,000	209,100	213,282
Extending Enterprise & Customer Collaboration / Unified Communications, VoIP, IVR - Current			
		13,260	26,520
Extending Enterprise & Customer Collaboration / Unified Communications, VoIP, IVR - Incremental			
Cybersecurity - Current	117,390	140,277	141,461
Cybersecurity - Incremental	15,300	43,350	86,700
HRIS - Current	26,760	27,295	27,623
HRIS - Incremental		77,010	154,020
PowerPlan Construction Budgeting Redesign - Current	264,724	270,548	273,795
PowerPlan Construction Budgeting Redesign - Incremental		17,850	35,700
ECM - Current	173,066	176,873	178,996
ECM - Incremental	27,540	33,150	66,300
Corporate Intranet / Central Hudson 'Wiki' Redesign - Incremental		49,470	98,940
Increase the Quality & Speed of Delivery of Application Testing - Current	69,957	71,496	72,926
Increase the Quality & Speed of Delivery of Application Testing - Incremental	15,300	20,400	40,800
Emergent Software Packages - Current	-	-	-
Emergent Software Packages - Incremental		51,818	103,636
Investments Core to Running the Business - Current	2,744,861	2,785,206	2,814,894
Investments Core to Running the Business - Incremental	163,200	223,450	620,988
Digital Initiatives for Customer Engagement (DICE) - Current	63,337	64,730	66,025
Digital Initiatives for Customer Engagement (DICE) - Incremental	25,500	84,150	168,300
Customer Bill Redesign - Incremental		-	-
Core to Running the Business - Hardware Component - Current	184,111	188,161	191,925
Core to Running the Business - Hardware Component - Incremental	76,500	100,277	250,700
Additional Business Driven Initiatives - Current	88,500	90,270	92,075
Additional Business Driven Initiatives - Incremental		269,000	305,800
IT Business Unit	4,585,411	5,451,915	6,646,074
All Other Business Units	1,556,342	2,110,418	2,562,907
Summary Information Technology	6,141,753	7,562,333	9,208,981

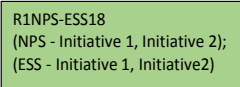
Central Hudson Gas & Electric Corporation
 Case 17-E- & Case 17-G-
 Digital Roadmap

Digital Initiatives for Customer Engagement (DICE) - Roadmap



LEGEND

Items are bundled into multiple releases annually. Releases are numbered (R1, R2, R3, or R4) with the release number as a pre-fix and the year as the suffix. The included categories are noted within the release title with NPS = New Products & Services, ESS = Extending Self-Service, and DCO = Digital Channels Optimization. If the release only contains items within one category, the release box will match the color of the category - **NPS = Green, ESS = Yellow, DCO = Blue**. If the release contains items spanning multiple categories, the release box will be colored **Aqua for NPS & DCO** releases, **Light Green for ESS & NPS** releases, **Light Blue for ESS & DCO** releases, and **Orange for NPS, ESS, & DCO** releases. For example, R1NPS-ESS18 = Release 1 containing New Products & Services and Extending Self-Service items for 2018.



NOTE: The above roadmap and associated estimated bundled releases are subject to change resulting from customer, business, industry, or regulatory drivers. All changes to the releases and/or the initiatives within the releases will be reviewed and prioritized by the Digital Interactive Working Group and subsequently presented to the IT Steering Committee.