

February 7, 2018

VIA HAND DELIVERY AND ELECTRONIC MAIL

Luly E. Massaro, Commission Clerk
Rhode Island Public Utilities Commission
89 Jefferson Boulevard
Warwick, RI 02888

**RE: Docket 4770 - Application of The Narragansett Electric Company d/b/a National Grid for Approval of a Change in Electric and Gas Base Distribution Rates
Corrected Response to Division 5-40**

Dear Ms. Massaro:

Enclosed is an original of the Company's¹ corrected response to Division 5-40 in the above-referenced docket.

The enclosed corrected response to Division 5-40 is listed in the enclosed discovery log and the enclosed table of contents.

Thank you for your attention to this transmittal. If you have any questions, please contact me at 781-907-2153.

Very truly yours,



Celia B. O'Brien

Enclosures

cc: Docket 4770 Service List
Macky McCleary, Division
Jonathan Schrag, Division
John Bell, Division
Al Mancini, Division
Ron Gerwatowski, Division
Leo Wold, Esq.

¹ The Narragansett Electric Company d/b/a National Grid (the Company).

Certificate of Service

I hereby certify that a copy of the cover letter and/or any materials accompanying this certificate were electronically transmitted and/or hand delivered to the individuals listed below.



Najat Coye

February 7, 2018

Date

Docket No. 4770 - National Grid – Rate Application
Service list updated 2/2/2018

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The Narragansett Electric Company
d/b/a National Grid
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Discovery Log

DATA SET	DATA REQUEST	DATE ISSUED	DATE FILED	WITNESS	TOPIC	CONFIDENTIAL ATTACHMENT
COMMISSION SET 1						
COMMISSION SET 1	PUC 1-1	11/28/2017	12/19/2017	Melissa Little	Financial Reporting	
COMMISSION SET 1	PUC 1-2	11/28/2017	12/19/2017	Melissa Little	Financial Reporting	
COMMISSION SET 1	PUC 1-3	11/28/2017	12/19/2017	Melissa Little	Financial Reporting	
COMMISSION SET 1	PUC 1-4	11/28/2017	12/19/2017	Melissa Little	Financial Reporting	
COMMISSION SET 1	PUC 1-5	11/28/2017	12/19/2017	Melissa Little	Income and Cash Flow Statements	
COMMISSION SET 1	PUC 1-6	11/28/2017	12/19/2017	Melissa Little	Affiliates	
COMMISSION SET 1	PUC 1-7	11/28/2017	12/19/2017	Melissa Little	Audits	Attachment 1-7-1, Attachment 1-7-2
COMMISSION SET 1	PUC 1-8	11/28/2017	12/19/2017	Timothy Horan	Investor Relations	
COMMISSION SET 1	PUC 1-9	11/28/2017	12/19/2017	Timothy Horan	Investor Relations	
COMMISSION SET 1	PUC 1-10	11/28/2017	12/19/2017	Joshua Nowak	Treasury	
COMMISSION SET 1	PUC 1-11	11/28/2017	12/19/2017	Melissa Little	Earned Return on Average Common Equity	
COMMISSION SET 1	PUC 1-12	11/28/2017	12/19/2017	Melissa Little	Earnings Report Filed in Docket 4323	
COMMISSION SET 1	PUC 1-12 SUPPLEMENTAL	11/28/2017	1/4/2018	Melissa Little	Earnings Report Filed in Docket 4323	
COMMISSION SET 1	PUC 1-13	11/28/2017	12/19/2017	Joseph Gredder, Theodore Poe, Melissa Little	Forecasts	
COMMISSION SET 1	PUC 1-14	11/28/2017	12/19/2017	Joshua Nowak	Debt and Equity Rating	
COMMISSION SET 1	PUC 1-15	11/28/2017	12/19/2017	Melissa Little	Plant In Service	
COMMISSION SET 1	PUC 1-16	11/28/2017	12/19/2017	John Currie, Sonny Anand	Capital Authorization	
COMMISSION SET 1	PUC 1-17	11/28/2017	12/19/2017	Melissa Little	Construction Work In Progress	
COMMISSION SET 1	PUC 1-18	11/28/2017	12/19/2017	Melissa Little	Depreciation Accrual Rates	
COMMISSION SET 1	PUC 1-19	11/28/2017	12/19/2017	Melissa Little	Company's Test Year O&M Expense Accounts	
COMMISSION SET 1	PUC 1-20	11/28/2017	12/19/2017	Melissa Little and the Legal Department	Service Level Agreements	Attachment 1-20-1, Attachment 1-20-35
COMMISSION SET 1	PUC 1-21	11/28/2017	12/19/2017	Melissa Little	Expenses	
COMMISSION SET 1	PUC 1-22	11/28/2017	12/19/2017	Melissa Little	Allocated Expenses	
COMMISSION SET 1	PUC 1-23	11/28/2017	12/19/2017	Melissa Little	Extraordinary Income	
COMMISSION SET 1	PUC 1-24	11/28/2017	12/19/2017	John Isberg	New Service Offerings	
COMMISSION SET 1	PUC 1-25	11/28/2017	12/19/2017	Melissa Little	Miscellaneous Revenues	
COMMISSION SET 1	PUC 1-26	11/28/2017	12/19/2017	Melissa Little	Chart of Accounts	
COMMISSION SET 1	PUC 1-27	11/28/2017	12/19/2017	Maureen Heaphy	Employee Bonus and Incentive Compensation	
COMMISSION SET 1	PUC 1-28	11/28/2017	12/19/2017	Maureen Heaphy	Compensation and Benefits	
COMMISSION SET 1	PUC 1-29	11/28/2017	12/19/2017	William H. Hilbrunner, Melissa Little	Corporate Policy	
COMMISSION SET 1	PUC 1-30	11/28/2017	12/19/2017	Melissa Little	Loans or Forgiveness of Debts	
COMMISSION SET 1	PUC 1-31	11/28/2017	12/19/2017	Melissa Little	Wages, Salaries and Overheads	
COMMISSION SET 1	PUC 1-31 CORRECTED	11/28/2017	2/1/2018	Melissa Little	Wages, Salaries and Overheads	
COMMISSION SET 1	PUC 1-32	11/28/2017	12/19/2017	Maureen Heaphy	Wage and Salary Increases	
COMMISSION SET 1	PUC 1-33	11/28/2017	12/19/2017	Maureen Heaphy	Wage Contracts	
COMMISSION SET 1	PUC 1-34	11/28/2017	12/19/2017	Maureen Heaphy	Wage and Salary Increases	
COMMISSION SET 1	PUC 1-35	11/28/2017	12/19/2017	Maureen Heaphy	Number of Employees	
COMMISSION SET 1	PUC 1-36	11/28/2017	12/19/2017	Maureen Heaphy	Overtime Wages, Salaries, Hours	

The Narragansett Electric Company
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DATA SET	DATA REQUEST	DATE ISSUED	DATE FILED	WITNESS	TOPIC	CONFIDENTIAL ATTACHMENT
COMMISSION SET 1	PUC 1-37	11/28/2017	12/19/2017	Melissa Little	Actuarial Reports	
COMMISSION SET 1	PUC 1-38	11/28/2017	12/19/2017	Maureen Heaphy	Non-Pension Benefits	
COMMISSION SET 1	PUC 1-39	11/28/2017	12/19/2017	Maureen Heaphy	Health Care Costs	
COMMISSION SET 1	PUC 1-40	11/28/2017	12/19/2017	Maureen Heaphy	Health Care Costs	
COMMISSION SET 1	PUC 1-41	11/28/2017	12/19/2017	William H. Hilbrunner, Melissa Little	Leased Vehicles	
COMMISSION SET 1	PUC 1-42	11/28/2017	12/19/2017	William H. Hilbrunner, Melissa Little	Vehicle Replacement	
COMMISSION SET 1	PUC 1-43	11/28/2017	12/19/2017	Melissa Little	Aircraft and Watercraft	
COMMISSION SET 1	PUC 1-44	11/28/2017	12/19/2017	Melissa Little	Operations and Maintenance Expenses	
COMMISSION SET 1	PUC 1-45	11/28/2017	12/19/2017	Melissa Little	Dues and Membership	
COMMISSION SET 1	PUC 1-46	11/28/2017	12/19/2017	Melissa Little	Administrative Expenses	
COMMISSION SET 1	PUC 1-47	11/28/2017	12/19/2017	Melissa Little	Insurance Policies	
COMMISSION SET 1	PUC 1-48	11/28/2017	12/19/2017	Timothy Kiernan, Melissa Little	Insurance Policies	
COMMISSION SET 1	PUC 1-49	11/28/2017	12/19/2017	Maureen Heaphy	Insurance Policies	
COMMISSION SET 1	PUC 1-50	11/28/2017	12/19/2017	Timothy Kiernan, Melissa Little	Self insurance Procedure	
COMMISSION SET 1	PUC 1-51	11/28/2017	12/19/2017	Melissa Little	Lease Type Expenses	
COMMISSION SET 1	PUC 1-52	11/28/2017	12/19/2017	Melissa Little	Miscellaneous Deferred Debits	
COMMISSION SET 1	PUC 1-53	11/28/2017	12/19/2017	Melissa Little	Out of Period Adjustments	
COMMISSION SET 1	PUC 1-54	11/28/2017	12/19/2017	Melissa Little	Deferred Credits	
COMMISSION SET 1	PUC 1-55	11/28/2017	12/19/2017	Melissa Little	Outside Services	
COMMISSION SET 1	PUC 1-56	11/28/2017	12/19/2017	Melissa Little, Jody Allison	Gross Write-offs and Recoveries	
COMMISSION SET 1	PUC 1-57	11/28/2017	12/19/2017	Melissa Little, Jody Allison	Uncollectibles	
COMMISSION SET 1	PUC 1-58	11/28/2017	12/19/2017	Melissa Little, Jody Allison	Uncollectible Write- Offs	
COMMISSION SET 1	PUC 1-59	11/28/2017	12/19/2017	Melissa Little, Jody Allison	Accounting Policies - Write-Offs	
COMMISSION SET 1	PUC 1-60	11/28/2017	12/19/2017	Melissa Little	Unbilled Revenues	
COMMISSION SET 1	PUC 1-61	11/28/2017	12/19/2017	Melissa Little	Advertising and Media Related Costs	
COMMISSION SET 1	PUC 1-62	11/28/2017	12/19/2017	Melissa Little	Donations	
COMMISSION SET 1	PUC 1-63	11/28/2017	12/19/2017	Melissa Little	Lobbying Expenses	
COMMISSION SET 1	PUC 1-64	11/28/2017	12/19/2017	Melissa Little	Corporate Identification	
COMMISSION SET 1	PUC 1-65	11/28/2017	12/19/2017	Melissa Little and the Legal Department	Legal Matters	
COMMISSION SET 1	PUC 1-66	11/28/2017	12/19/2017	Melissa Little and the Legal Department	Legal Matters	
COMMISSION SET 1	PUC 1-67	11/28/2017	12/19/2017	Melissa Little and the Legal Department	Legal Matters	
COMMISSION SET 1	PUC 1-68	11/28/2017	12/19/2017	Melissa Little and the Legal Department	Legal Matters	
COMMISSION SET 1	PUC 1-69	11/28/2017	12/19/2017	Melissa Little	Legal Matters	
COMMISSION SET 1	PUC 1-70	11/28/2017	12/19/2017	Melissa Little	Property Taxes	
COMMISSION SET 1	PUC 1-71	11/28/2017	12/19/2017	Melissa Little	Property Taxes	
COMMISSION SET 1	PUC 1-72	11/28/2017	12/19/2017	Melissa Little	Property Taxes	
COMMISSION SET 1	PUC 1-73	11/28/2017	12/19/2017	Melissa Little	Book/Tax Timing Differences	
COMMISSION SET 1	PUC 1-74	11/28/2017	12/19/2017	Melissa Little	Corporate Charges	
COMMISSION SET 1	PUC 1-75	11/28/2017	12/19/2017	Melissa Little	Outside Services Charges	
COMMISSION SET 1	PUC 1-76	11/28/2017	12/19/2017	Melissa Little	Common Plant	
COMMISSION SET 1	PUC 1-77	11/28/2017	12/19/2017	Melissa Little	Affiliates	
COMMISSION SET 1	PUC 1-78	11/28/2017	12/19/2017	Melissa Little	Political Contributions	

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DATA SET	DATA REQUEST	DATE ISSUED	DATE FILED	WITNESS	TOPIC	CONFIDENTIAL ATTACHMENT
COMMISSION SET 1	PUC 1-79	11/28/2017	12/19/2017	Melissa Little	Outside Legal Fees	
COMMISSION SET 1	PUC 1-80	11/28/2017	12/19/2017	Melissa Little	Consulting Services Expenses	
COMMISSION SET 1	PUC 1-81	11/28/2017	12/19/2017	Melissa Little	Organization Chart	
COMMISSION SET 1	PUC 1-82	11/28/2017	12/19/2017	Maureen Heaphy	Employee Termination Contracts	
COMMISSION SET 1	PUC 1-83	11/28/2017	12/19/2017	Melissa Little, Jody Allison	Physical Terminations	
COMMISSION SET 1	PUC 1-84	11/28/2017	12/19/2017	Melissa Little	Employee Location	
COMMISSION SET 1	PUC 1-85	11/28/2017	12/19/2017	Ann Leary	Customers in Each Customer Class	
COMMISSION SET 1	PUC 1-86	11/28/2017	12/19/2017	John Isberg	Advertising	
COMMISSION SET 1	PUC 1-87	11/28/2017	12/19/2017	Howard Gorman	System Peak	
COMMISSION SET 1	PUC 1-88	11/28/2017	12/19/2017	Howard Gorman	Customer Usage	
COMMISSION SET 1	PUC 1-89	11/28/2017	12/19/2017	Howard Gorman	Net Metering	
COMMISSION SET 1	PUC 1-90	11/28/2017	12/19/2017	Anuraag Bhargava, Daniel J. DeMauro, Mukund Ravipaty, Melissa Little	SAP	
COMMISSION SET 2						
COMMISSION SET 2	PUC 2-1	11/28/2017	12/15/2017	David Beron	E-183 Undergrounding and Customer Credit	
COMMISSION SET 2	PUC 2-2	11/28/2017	12/15/2017	David Beron	E-183 Undergrounding and Customer Credit	
COMMISSION SET 2	PUC 2-3	11/28/2017	12/15/2017	Scott M. McCabe	E-183 Undergrounding and Customer Credit	
COMMISSION SET 3						
COMMISSION SET 3	PUC 3-1	12/15/2017	1/5/2018	Jody Allison	Theft of Utility Service	
COMMISSION SET 3	PUC 3-2	12/15/2017	1/5/2018	Jody Allison	Theft of Utility Service	
COMMISSION SET 3	PUC 3-3	12/15/2017	1/5/2018	Jody Allison	Theft of Utility Service	
COMMISSION SET 3	PUC 3-4	12/15/2017	1/5/2018	Jody Allison	Theft of Utility Service	
COMMISSION SET 3	PUC 3-5	12/15/2017	1/5/2018	Robert Hevert	Return on Equity	
COMMISSION SET 3	PUC 3-6	12/15/2017	1/5/2018	Robert Hevert	Return on Equity	
COMMISSION SET 3	PUC 3-7	12/15/2017	1/5/2018	Robert Hevert	Return on Equity	
COMMISSION SET 3	PUC 3-8	12/15/2017	1/5/2018	Robert Hevert	Return on Equity	
COMMISSION SET 3	PUC 3-9	12/15/2017	1/5/2018	Robert Hevert, Scott M. McCabe, Ann E. Leary	Return on Equity	
COMMISSION SET 3	PUC 3-10	12/15/2017	1/5/2018	Robert Hevert, Scott M. McCabe, Ann E. Leary	Return on Equity	
COMMISSION SET 3	PUC 3-11	12/15/2017	1/5/2018	Robert Hevert, Scott M. McCabe, Ann E. Leary	Return on Equity	
COMMISSION SET 3	PUC 3-12	12/15/2017	1/5/2018	Robert Hevert, Scott M. McCabe, Ann E. Leary	Return on Equity	
COMMISSION SET 3	PUC 3-13	12/15/2017	1/5/2018	Robert Hevert, Scott M. McCabe, Ann E. Leary	Return on Equity	
COMMISSION SET 3	PUC 3-14	12/15/2017	1/5/2018	Robert Hevert	Return on Equity	
COMMISSION SET 3	PUC 3-15	12/15/2017	1/5/2018	Robert Hevert	Return on Equity	
COMMISSION SET 3	PUC 3-16	12/15/2017	1/5/2018	Robert Hevert	Return on Equity	
COMMISSION SET 3	PUC 3-17	12/15/2017	1/5/2018	Robert Hevert	Return on Equity	
COMMISSION SET 3	PUC 3-18	12/15/2017	1/5/2018	Robert Hevert	Return on Equity	
COMMISSION SET 3	PUC 3-19	12/15/2017	1/5/2018	Robert Hevert	Return on Equity	
COMMISSION SET 3	PUC 3-20	12/15/2017	1/5/2018	Robert Hevert	Return on Equity	
COMMISSION SET 3	PUC 3-21	12/15/2017	1/5/2018	Joseph Gredder	Delivery Forecasting	
COMMISSION SET 3	PUC 3-22	12/15/2017	1/5/2018	Joseph Gredder	Delivery Forecasting	
COMMISSION SET 3	PUC 3-23	12/15/2017	1/5/2018	Joseph Gredder	Delivery Forecasting	
COMMISSION SET 3	PUC 3-24	12/15/2017	1/5/2018	Theodore Poe	Delivery Forecasting	
COMMISSION SET 3	PUC 3-25	12/15/2017	1/5/2018	John Isberg	Low Income Program Proposals	

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COMMISSION SET 3	PUC 3-26	12/15/2017	1/5/2018	John Isberg	Low Income Program Proposals	
COMMISSION SET 3	PUC 3-27	12/15/2017	1/5/2018	John Isberg	Low Income Program Proposals	
COMMISSION SET 3	PUC 3-28	12/15/2017	1/5/2018	John Isberg	Low Income Program Proposals	
COMMISSION SET 3	PUC 3-29	12/15/2017	1/5/2018	John Isberg	Low Income Program Proposals	
COMMISSION SET 3	PUC 3-30	12/15/2017	1/5/2018	Melissa Little	Personnel	
COMMISSION SET 3	PUC 3-31	12/15/2017	1/5/2018	Melissa Little	Personnel	
COMMISSION SET 3	PUC 3-32	12/15/2017	1/5/2018	Melissa Little	Personnel	
COMMISSION SET 3	PUC 3-33	12/15/2017	1/5/2018	Alfred Amaral	Personnel	
COMMISSION SET 3	PUC 3-34	12/15/2017	1/5/2018	Alfred Amaral	Personnel	
COMMISSION SET 3	PUC 3-35	12/15/2017	1/5/2018	Alfred Amaral	Personnel	
COMMISSION SET 3	PUC 3-36	12/15/2017	1/5/2018	Alfred Amaral	Personnel	
COMMISSION SET 3	PUC 3-37	12/15/2017	1/5/2018	Raymond Rosario	Personnel	
COMMISSION SET 3	PUC 3-38	12/15/2017	1/5/2018	Raymond Rosario	Personnel	
COMMISSION SET 3	PUC 3-39	12/15/2017	1/5/2018	Melissa Little	General	
COMMISSION SET 3	PUC 3-40	12/15/2017	1/5/2018	Scott M. McCabe	Rates	
COMMISSION SET 3	PUC 3-41	12/15/2017	1/5/2018	Melissa Little	Rates	
COMMISSION SET 3	PUC 3-42	12/15/2017	1/5/2018	Scott M. McCabe	Rates	
COMMISSION SET 3	PUC 3-43	12/15/2017	1/5/2018	Jody Allison	Collections	
COMMISSION SET 3	PUC 3-44	12/15/2017	1/5/2018	Jody Allison	Collections	
COMMISSION SET 3	PUC 3-45	12/15/2017	1/5/2018	Jody Allison	Collections	
COMMISSION SET 3	PUC 3-46	12/15/2017	1/5/2018	Jody Allison	Collections	
COMMISSION SET 3	PUC 3-47	12/15/2017	1/5/2018	Jody Allison	Collections	
COMMISSION SET 3	PUC 3-48	12/15/2017	1/5/2018	Jody Allison	Collections	
COMMISSION SET 3	PUC 3-49	12/15/2017	1/5/2018	Jody Allison	Collections	
COMMISSION SET 3	PUC 3-50	12/15/2017	1/5/2018	Jody Allison	Collections	
COMMISSION SET 3	PUC 3-51	12/15/2017	1/5/2018	Jody Allison	Collections	
COMMISSION SET 3	PUC 3-52	12/15/2017	1/5/2018	Jody Allison	Collections	
COMMISSION SET 3	PUC 3-53	12/15/2017	1/5/2018	Jody Allison	Collections	
DIVISION SET 1						
DIVISION SET 1	DIVISION 1-1	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Electric (2016 Electric Depreciation Study)	
DIVISION SET 1	DIVISION 1-2	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Electric (2016 Electric Depreciation Study)	
DIVISION SET 1	DIVISION 1-3	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Electric (2016 Electric Depreciation Study)	
DIVISION SET 1	DIVISION 1-4	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Electric (2016 Electric Depreciation Study)	
DIVISION SET 1	DIVISION 1-5	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Electric (2016 Electric Depreciation Study)	
DIVISION SET 1	DIVISION 1-6	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Electric (2016 Electric Depreciation Study)	
DIVISION SET 1	DIVISION 1-7	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Electric (2016 Electric Depreciation Study)	
DIVISION SET 1	DIVISION 1-8	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Electric (2016 Electric Depreciation Study)	
DIVISION SET 1	DIVISION 1-9	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Electric (2016 Electric Depreciation Study)	
DIVISION SET 1	DIVISION 1-10	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Electric (2016 Electric Depreciation Study)	
DIVISION SET 1	DIVISION 1-11	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Electric (2016 Electric Depreciation Study)	

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DIVISION SET 1	DIVISION 1-12	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Electric (2016 Electric Depreciation Study)	
DIVISION SET 1	DIVISION 1-13	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Electric (2016 Electric Depreciation Study)	
DIVISION SET 1	DIVISION 1-14	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Electric (2016 Electric Depreciation Study)	
DIVISION SET 1	DIVISION 1-15	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Electric (2016 Electric Depreciation Study)	
DIVISION SET 1	DIVISION 1-16	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Electric (2016 Electric Depreciation Study)	
DIVISION SET 1	DIVISION 1-17	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Electric (2016 Electric Depreciation Study)	
DIVISION SET 1	DIVISION 1-18	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Electric (2016 Electric Depreciation Study)	
DIVISION SET 1	DIVISION 1-19	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Electric (2016 Electric Depreciation Study)	
DIVISION SET 1	DIVISION 1-20	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Electric (2016 Electric Depreciation Study)	
DIVISION SET 1	DIVISION 1-21	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Electric (2016 Electric Depreciation Study)	
DIVISION SET 1	DIVISION 1-22	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Gas (2016 Gas Depreciation Study)	
DIVISION SET 1	DIVISION 1-23	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Gas (2016 Gas Depreciation Study)	Attachment 1-23-5
DIVISION SET 1	DIVISION 1-24	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Gas (2016 Gas Depreciation Study)	
DIVISION SET 1	DIVISION 1-25	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Gas (2016 Gas Depreciation Study)	
DIVISION SET 1	DIVISION 1-26	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Gas (2016 Gas Depreciation Study)	
DIVISION SET 1	DIVISION 1-27	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Gas (2016 Gas Depreciation Study)	
DIVISION SET 1	DIVISION 1-28	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Gas (2016 Gas Depreciation Study)	
DIVISION SET 1	DIVISION 1-29	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Gas (2016 Gas Depreciation Study)	
DIVISION SET 1	DIVISION 1-30	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Gas (2016 Gas Depreciation Study)	
DIVISION SET 1	DIVISION 1-31	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Gas (2016 Gas Depreciation Study)	
DIVISION SET 1	DIVISION 1-32	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Gas (2016 Gas Depreciation Study)	
DIVISION SET 1	DIVISION 1-33	12/19/2017	1/8/2018	Melissa Little	Schedule NWA-2 Gas (2016 Gas Depreciation Study)	

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DIVISION SET 1	DIVISION 1-34	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Gas (2016 Gas Depreciation Study)	
DIVISION SET 1	DIVISION 1-35	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Gas (2016 Gas Depreciation Study)	
DIVISION SET 1	DIVISION 1-36	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Gas (2016 Gas Depreciation Study)	
DIVISION SET 1	DIVISION 1-37	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Gas (2016 Gas Depreciation Study)	
DIVISION SET 1	DIVISION 1-38	12/19/2017	1/8/2018	Ned W. Allis	Schedule NWA-2 Gas (2016 Gas Depreciation Study)	
DIVISION SET 2						
DIVISION SET 2	DIVISION 2-1	12/21/2017	1/9/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-2	12/21/2017	1/9/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-3	12/21/2017	1/9/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-4	12/21/2017	1/9/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-5	12/21/2017	1/9/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-6	12/21/2017	1/9/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-7	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-8	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-9	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-10	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-11	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-12	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-13	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-14	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-15	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-16	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-17	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-18	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-19	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-20	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-21	12/21/2017	1/9/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-22	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-23	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-24	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-25	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	

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DIVISION SET 2	DIVISION 2-26	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-27	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-28	12/21/2017	1/9/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-29	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-30	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-31	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-32	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-33	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-34	12/21/2017	1/9/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-35	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-36	12/21/2017	1/9/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-37	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-38	12/21/2017	1/9/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-39	12/21/2017	1/9/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-40	12/21/2017	1/10/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-41	12/21/2017	1/8/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-42	12/21/2017	1/9/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-43	12/21/2017	1/9/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-44	12/21/2017	1/9/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-45	12/21/2017	1/9/2018	Melissa Little	Revenue Requirements	
DIVISION SET 2	DIVISION 2-46	12/21/2017	1/9/2018	Melissa Little	Revenue Requirements	
DIVISION SET 3						
DIVISION SET 3	DIVISION 3-1	12/21/2017	1/8/2018	Alfred Amaral, Raymond Rosario, Ryan Constable	New Hires and Labor Costs	
DIVISION SET 3	DIVISION 3-2	12/21/2017	1/9/2018	Alfred Amaral, Raymond Rosario, Ryan Constable	New Hires and Labor Costs	
DIVISION SET 3	DIVISION 3-3	12/21/2017	1/9/2018	Alfred Amaral, Raymond Rosario, Ryan Constable	New Hires and Labor Costs	
DIVISION SET 3	DIVISION 3-4	12/21/2017	1/9/2018	Alfred Amaral, Raymond Rosario, Ryan Constable	New Hires and Labor Costs	
DIVISION SET 3	DIVISION 3-5	12/21/2017	1/9/2018	Alfred Amaral, Raymond Rosario, Ryan Constable	New Hires and Labor Costs	
DIVISION SET 3	DIVISION 3-6	12/21/2017	1/8/2018	Alfred Amaral, Raymond Rosario, Ryan Constable	New Hires and Labor Costs	
DIVISION SET 3	DIVISION 3-7	12/21/2017	1/11/2018	Melissa Little	New Hires and Labor Costs	
DIVISION SET 3	DIVISION 3-8	12/21/2017	1/9/2018	Melissa Little	New Hires and Labor Costs	
DIVISION SET 3	DIVISION 3-9	12/21/2017	1/11/2018	Melissa Little	New Hires and Labor Costs	

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DIVISION SET 3	DIVISION 3-10	12/21/2017	1/9/2018	Melissa Little	New Hires and Labor Costs	
DIVISION SET 3	DIVISION 3-11	12/21/2017	1/11/2018	John Isberg	Customer Affordability Program and Energy Innovation Hub	
DIVISION SET 3	DIVISION 3-12	12/21/2017	1/9/2018	John Isberg	Customer Affordability Program and Energy Innovation Hub	
DIVISION SET 3	DIVISION 3-13	12/21/2017	1/9/2018	John Isberg	Customer Affordability Program and Energy Innovation Hub	
DIVISION SET 3	DIVISION 3-14	12/21/2017	1/9/2018	John Isberg	Customer Affordability Program and Energy Innovation Hub	
DIVISION SET 3	DIVISION 3-15	12/21/2017	1/9/2018	John Isberg	Customer Affordability Program and Energy Innovation Hub	
DIVISION SET 3	DIVISION 3-16	12/21/2017	1/11/2018	Melissa Little	Service Company Employee Charges	
DIVISION SET 3	DIVISION 3-17	12/21/2017	1/9/2018	Melissa Little	Service Company Rents	
DIVISION SET 3	DIVISION 3-18	12/21/2017	1/9/2018	Melissa Little	Service Company Rents	
DIVISION SET 3	DIVISION 3-19	12/21/2017	1/9/2018	Melissa Little	Service Company Rents	
DIVISION SET 3	DIVISION 3-20	12/21/2017	1/11/2018	Melissa Little	Service Company Rents	
DIVISION SET 3	DIVISION 3-21	12/21/2017	1/11/2018	Melissa Little	Service Company Rents	
DIVISION SET 3	DIVISION 3-22	12/21/2017	1/10/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 3	DIVISION 3-23	12/21/2017	1/9/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 3	DIVISION 3-24	12/21/2017	1/9/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 3	DIVISION 3-25	12/21/2017	1/9/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 3	DIVISION 3-26	12/21/2017	1/9/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 3	DIVISION 3-27	12/21/2017	1/9/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 3	DIVISION 3-28	12/21/2017	1/9/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 3	DIVISION 3-29	12/21/2017	1/9/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 3	DIVISION 3-30	12/21/2017	1/10/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 3	DIVISION 3-31	12/21/2017	1/9/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	

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DIVISION SET 3	DIVISION 3-32	12/21/2017	1/8/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 3	DIVISION 3-33	12/21/2017	1/9/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 3	DIVISION 3-34	12/21/2017	1/9/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 3	DIVISION 3-35	12/21/2017	1/9/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 3	DIVISION 3-36	12/21/2017	1/10/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 3	DIVISION 3-37	12/21/2017	1/8/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 3	DIVISION 3-38	12/21/2017	1/9/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 3	DIVISION 3-39	12/21/2017	1/10/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 3	DIVISION 3-40	12/21/2017	1/9/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 3	DIVISION 3-41	12/21/2017	1/10/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 3	DIVISION 3-42	12/21/2017	1/10/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 3	DIVISION 3-43	12/21/2017	1/11/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 3	DIVISION 3-44	12/21/2017	1/11/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 3	DIVISION 3-45	12/21/2017	1/10/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 3	DIVISION 3-46	12/21/2017	1/10/2018	Melissa Little	Gas Business Enablement Program	
DIVISION SET 3	DIVISION 3-47	12/21/2017	1/11/2018	Melissa Little	Gas Business Enablement Program	
DIVISION SET 3	DIVISION 3-48	12/21/2017	1/9/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement Program	
DIVISION SET 3	DIVISION 3-49	12/21/2017	1/10/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement Program	
DIVISION SET 3	DIVISION 3-50	12/21/2017	1/9/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement Program	
DIVISION SET 3	DIVISION 3-51	12/21/2017	1/9/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement Program	
DIVISION SET 3	DIVISION 3-52	12/21/2017	1/9/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement Program	
DIVISION SET 3	DIVISION 3-53	12/21/2017	1/9/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement Program	
DIVISION SET 3	DIVISION 3-54	12/21/2017	1/11/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement Program	Attachment 3-54
DIVISION SET 3	DIVISION 3-55	12/21/2017	1/11/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement Program	
DIVISION SET 3	DIVISION 3-56	12/21/2017	1/10/2018	Melissa Little	Gas Business Enablement Program	
DIVISION SET 3	DIVISION 3-57	12/21/2017	1/10/2018	Melissa Little	Gas Business Enablement Program	

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DIVISION SET 3	DIVISION 3-58	12/21/2017	1/11/2018	Melissa Little	Gas Business Enablement Program	
DIVISION SET 3	DIVISION 3-59	12/21/2017	1/10/2018	Melissa Little	Gas Business Enablement Program	
DIVISION SET 3	DIVISION 3-60	12/21/2017	1/10/2018	Melissa Little	Gas Business Enablement Program	
DIVISION SET 3	DIVISION 3-61	12/21/2017	1/9/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement Program	
DIVISION SET 3	DIVISION 3-62	12/21/2017	1/10/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement Program	
DIVISION SET 3	DIVISION 3-63	12/21/2017	1/11/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement Program	
DIVISION SET 3	DIVISION 3-63 SUPPLEMENTAL	12/21/2017	1/21/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement Program	
DIVISION SET 3	DIVISION 3-64	12/21/2017	1/11/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement Program	
DIVISION SET 3	DIVISION 3-65	12/21/2017	1/9/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement Program	
COMMISSION SET 4						
COMMISSION SET 4	PUC 4-1	12/21/2017	1/11/2018	Melissa Little	Revenue Requirement / Tax	
COMMISSION SET 4	PUC 4-2	12/21/2017	1/11/2018	Melissa Little	Revenue Requirement / Tax	
COMMISSION SET 4	PUC 4-3	12/21/2017	1/11/2018	Melissa Little	Revenue Requirement / Tax	
COMMISSION SET 4	PUC 4-4	12/21/2017	1/11/2018	Melissa Little	Revenue Requirement / Tax	
COMMISSION SET 4	PUC 4-5	12/21/2017	1/11/2018	Melissa Little	Revenue Requirement / Tax	
COMMISSION SET 4	PUC 4-6	12/21/2017	1/9/2018	Melissa Little	Revenue Requirement / Tax	
COMMISSION SET 4	PUC 4-7	12/21/2017	1/11/2018	Melissa Little	Revenue Requirement / Tax	
COMMISSION SET 4	PUC 4-8	12/21/2017	1/9/2018	Raymond Rosario	Terms and Conditions	
COMMISSION SET 4	PUC 4-9	12/21/2017	1/9/2018	Alfred Amaral, Raymond Rosario, Ryan Constable	Terms and Conditions	
COMMISSION SET 4	PUC 4-10	12/21/2017	1/10/2018	Maureen Heaphy	Employees	
COMMISSION SET 4	PUC 4-11	12/21/2017	1/10/2018	Maureen Heaphy	Employees	
COMMISSION SET 4	PUC 4-12	12/21/2017	1/10/2018	Alfred Amaral, Raymond Rosario, Ryan Constable	Employees	
COMMISSION SET 4	PUC 4-13	12/21/2017	1/9/2018	Joshua Nowak	Capital Structure/ROE	
COMMISSION SET 4	PUC 4-14	12/21/2017	1/9/2018	Joshua Nowak	Capital Structure/ROE	
COMMISSION SET 4	PUC 4-15	12/21/2017	1/8/2018	Ann Leary, Scott McCabe	Low Income	
COMMISSION SET 4	PUC 4-16	12/21/2017	1/8/2018	Scott McCabe	Low Income	
COMMISSION SET 4	PUC 4-17	12/21/2017	1/9/2018	John Isberg	Low Income	
COMMISSION SET 4	PUC 4-18	12/21/2017	1/11/2018	Melissa Little	Technology	
COMMISSION SET 4	PUC 4-19	12/21/2017	1/11/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology	
COMMISSION SET 4	PUC 4-20	12/21/2017	1/9/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology	
DIVISION SET 4						
DIVISION SET 4	DIVISION 4-1	1/2/2018	1/12/2018	Joshua Nowak	Cost of Capital	
DIVISION SET 4	DIVISION 4-2	1/2/2018	1/12/2018	Joshua Nowak	Cost of Capital	
DIVISION SET 4	DIVISION 4-3	1/2/2018	1/16/2018	Robert Hevert	Cost of Capital	
DIVISION SET 4	DIVISION 4-4	1/2/2018	1/12/2018	Joshua Nowak	Cost of Capital	
DIVISION SET 4	DIVISION 4-5	1/2/2018	1/20/2018	Joshua Nowak	Cost of Capital	
DIVISION SET 4	DIVISION 4-6	1/2/2018	1/20/2018	Joshua Nowak	Cost of Capital	
DIVISION SET 4	DIVISION 4-7	1/2/2018	1/12/2018	Joshua Nowak	Cost of Capital	
DIVISION SET 4	DIVISION 4-8	1/2/2018	1/12/2018	Joshua Nowak	Cost of Capital	
DIVISION SET 4	DIVISION 4-9	1/2/2018	1/12/2018	Robert Hevert	Cost of Capital	

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DIVISION SET 4	DIVISION 4-10	1/2/2018	1/16/2018	Robert Hevert	Cost of Capital	
DIVISION SET 4	DIVISION 4-11	1/2/2018	1/12/2018	Robert Hevert	Cost of Capital	
DIVISION SET 4	DIVISION 4-12	1/2/2018	1/12/2018	Robert Hevert	Cost of Capital	
DIVISION SET 4	DIVISION 4-13	1/2/2018	1/16/2018	Jody Allison	Cost of Capital	
DIVISION SET 4	DIVISION 4-14	1/2/2018	1/16/2018	Joshua Nowak	Cost of Capital	
DIVISION SET 4	DIVISION 4-15	1/2/2018	1/12/2018	Robert Hevert	Cost of Capital	
DIVISION SET 4	DIVISION 4-16	1/2/2018	1/16/2018	Joshua Nowak	Cost of Capital	
DIVISION SET 4	DIVISION 4-17	1/2/2018	1/12/2018	Robert Hevert	Cost of Capital	
DIVISION SET 4	DIVISION 4-18	1/2/2018	1/20/2018	Robert Hevert	Cost of Capital	
DIVISION SET 4	DIVISION 4-19	1/2/2018	1/20/2018	Joshua Nowak, Melissa Little	Cost of Capital	
DIVISION SET 4	DIVISION 4-20	1/2/2018	1/12/2018	Joshua Nowak	Cost of Capital	
DIVISION SET 5						
DIVISION SET 5	DIVISION 5-1	1/3/2018	1/23/2018	Robert Sheridan	Benefit-Cost Analysis	Attachment 5-1-1 Attachment 5-1-2
DIVISION SET 5	DIVISION 5-2	1/3/2018	1/18/2018	Carlos Nouel	Benefit-Cost Analysis	
DIVISION SET 5	DIVISION 5-3	1/3/2018	1/22/2018	Robert Sheridan	Benefit-Cost Analysis	
DIVISION SET 5	DIVISION 5-4	1/3/2018	1/17/2018	Robert Sheridan	Benefit-Cost Analysis	
DIVISION SET 5	DIVISION 5-5	1/3/2018	1/21/2018	Robert Sheridan	Benefit-Cost Analysis	
DIVISION SET 5	DIVISION 5-6	1/3/2018	1/17/2018	Melissa Little, Sonny Anand	PST Tracker	
DIVISION SET 5	DIVISION 5-7	1/3/2018	1/17/2018	Melissa Little, Sonny Anand	PST Tracker	
DIVISION SET 5	DIVISION 5-8	1/3/2018	1/17/2018	Melissa Little	PST Tracker	
DIVISION SET 5	DIVISION 5-9	1/3/2018	1/17/2018	Melissa Little	PST Tracker	
DIVISION SET 5	DIVISION 5-10	1/3/2018	1/17/2018	Melissa Little, Kayte O'Neill	PST Tracker	
DIVISION SET 5	DIVISION 5-11	1/3/2018	1/23/2018	Kayte O'Neill	PST Tracker	
DIVISION SET 5	DIVISION 5-12	1/3/2018	1/17/2018	Robert Sheridan	Grid Modernization	
DIVISION SET 5	DIVISION 5-13	1/3/2018	1/17/2018	Robert Sheridan	Grid Modernization	
DIVISION SET 5	DIVISION 5-14	1/3/2018	1/17/2018	Robert Sheridan	Grid Modernization	
DIVISION SET 5	DIVISION 5-15	1/3/2018	1/21/2018	John Leana	Advanced Meter Functionality	
DIVISION SET 5	DIVISION 5-16	1/3/2018	1/17/2018	John Leana	Advanced Meter Functionality	
DIVISION SET 5	DIVISION 5-17	1/3/2018	1/17/2018	John Leana	Advanced Meter Functionality	
DIVISION SET 5	DIVISION 5-18	1/3/2018	1/17/2018	John Leana	Advanced Meter Functionality	
DIVISION SET 5	DIVISION 5-19	1/3/2018	1/17/2018	John Leana	Advanced Meter Functionality	
DIVISION SET 5	DIVISION 5-20	1/3/2018	1/17/2018	John Leana	Advanced Meter Functionality	
DIVISION SET 5	DIVISION 5-21	1/3/2018	1/17/2018	Carlos Nouel	Transportation Electrification	
DIVISION SET 5	DIVISION 5-22	1/3/2018	1/18/2018	Carlos Nouel	Transportation Electrification	
DIVISION SET 5	DIVISION 5-23	1/3/2018	1/22/2018	Carlos Nouel	Transportation Electrification	
DIVISION SET 5	DIVISION 5-24	1/3/2018	1/23/2018	Carlos Nouel	Transportation Electrification	
DIVISION SET 5	DIVISION 5-25	1/3/2018	1/22/2018	Carlos Nouel	Transportation Electrification	Response only
DIVISION SET 5	DIVISION 5-26	1/3/2018	1/17/2018	Mackay Miller	Electric Heat Initiative	
DIVISION SET 5	DIVISION 5-27	1/3/2018	1/17/2018	Carlos Nouel	Energy Storage	
DIVISION SET 5	DIVISION 5-28	1/3/2018	1/22/2018	Carlos Nouel	Income Eligible	
DIVISION SET 5	DIVISION 5-29	1/3/2018	1/17/2018	Meghan McGuinness, Timothy Roughan	Performance Incentives (Proposed Capital Efficiency Incentives)	
DIVISION SET 5	DIVISION 5-30	1/3/2018	1/17/2018	Meghan McGuinness, Timothy Roughan	Performance Incentives (Proposed Capital Efficiency Incentives)	

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DIVISION SET 5	DIVISION 5-31	1/3/2018	1/17/2018	Meghan McGuinness, Timothy Roughan	Performance Incentives (Proposed Capital Efficiency Incentives)	
DIVISION SET 5	DIVISION 5-32	1/3/2018	1/21/2018	Meghan McGuinness, Timothy Roughan	Performance Incentives (System Efficiency PIM)	
DIVISION SET 5	DIVISION 5-33	1/3/2018	1/17/2018	Meghan McGuinness, Timothy Roughan	Performance Incentives (System Efficiency PIM)	
DIVISION SET 5	DIVISION 5-34	1/3/2018	1/22/2018	Meghan McGuinness, Timothy Roughan	Performance Incentives (System Efficiency PIM)	
DIVISION SET 5	DIVISION 5-35	1/3/2018	1/17/2018	Meghan McGuinness, Timothy Roughan	Performance Incentives (System Efficiency PIM)	
DIVISION SET 5	DIVISION 5-35 CORRECTED	1/3/2018	1/23/2018	Meghan McGuinness, Timothy Roughan	Performance Incentives (System Efficiency PIM)	
DIVISION SET 5	DIVISION 5-36	1/3/2018	1/18/2018	Meghan McGuinness, Timothy Roughan	Performance Incentives (System Efficiency PIM)	
DIVISION SET 5	DIVISION 5-37	1/3/2018	1/17/2018	Meghan McGuinness, Timothy Roughan	Performance Incentives (System Efficiency PIM)	
DIVISION SET 5	DIVISION 5-38	1/3/2018	1/17/2018	Meghan McGuinness, Timothy Roughan	Performance Incentives (Distributed Energy Resources)	
DIVISION SET 5	DIVISION 5-39	1/3/2018	1/17/2018	Meghan McGuinness, Timothy Roughan	Performance Incentives (Distributed Energy Resources)	
DIVISION SET 5	DIVISION 5-39 CORRECTED	1/3/2018	1/22/2018	Meghan McGuinness, Timothy Roughan	Performance Incentives (Distributed Energy Resources)	
DIVISION SET 5	DIVISION 5-40	1/3/2018	1/17/2018	Meghan McGuinness, Timothy Roughan	Performance Incentives (Distributed Energy Resources)	
DIVISION SET 5	DIVISION 5-40 CORRECTED	1/3/2018	2/7/2018	Meghan McGuinness, Timothy Roughan	Performance Incentives (Distributed Energy Resources)	
DIVISION SET 5	DIVISION 5-41	1/3/2018	1/17/2018	Mackay Miller	Performance Incentives (Distributed Energy Resources)	
DIVISION SET 5	DIVISION 5-42	1/3/2018	1/17/2018	Carlos Nouel	Performance Incentives (Distributed Energy Resources)	
DIVISION SET 5	DIVISION 5-43	1/3/2018	1/17/2018	Carlos Nouel	Performance Incentives (Distributed Energy Resources)	
DIVISION SET 5	DIVISION 5-44	1/3/2018	1/18/2018	Carlos Nouel	Performance Incentives (Distributed Energy Resources)	
DIVISION SET 5	DIVISION 5-45	1/3/2018	1/18/2018	John Leana	Performance Incentives (Network Support Services)	
DIVISION SET 5	DIVISION 5-46	1/3/2018	1/22/2018	Meghan McGuinness, Timothy Roughan	Performance Incentives (Network Support Services)	
DIVISION SET 5	DIVISION 5-47	1/3/2018	1/22/2018	Meghan McGuinness, Timothy Roughan	Performance Incentives (Network Support Services)	
DIVISION SET 5	DIVISION 5-48	1/3/2018	1/22/2018	Meghan McGuinness, Timothy Roughan	Performance Incentives (Network Support Services)	

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DIVISION SET 5	DIVISION 5-49	1/3/2018	1/23/2018	Meghan McGuinness, Timothy Roughan	Performance Incentives (Network Support Services)	
DIVISION SET 5	DIVISION 5-50	1/3/2018	1/21/2018	Meghan McGuinness, Timothy Roughan	Impact on Policy Goals and Benefits to Customers	
DIVISION SET 5	DIVISION 5-51	1/3/2018	1/18/2018	Meghan McGuinness, Timothy Roughan	Impact on Policy Goals and Benefits to Customers (System Efficiency)	
DIVISION SET 5	DIVISION 5-52	1/3/2018	1/18/2018	Carlos Nouel	Impact on Policy Goals and Benefits to Customers (System Efficiency)	
DIVISION SET 5	DIVISION 5-53	1/3/2018	1/18/2018	Meghan McGuinness, Timothy Roughan	Impact on Policy Goals and Benefits to Customers (Network Support Services)	
DIVISION SET 6						
DIVISION SET 6	DIVISION 6-1	1/3/2018	1/22/2018	John Leana	Meters	
DIVISION SET 6	DIVISION 6-2	1/3/2018	1/22/2018	John Leana	Meters	
DIVISION SET 6	DIVISION 6-3	1/3/2018	1/22/2018	John Leana	Meters	
DIVISION SET 6	DIVISION 6-4	1/3/2018	1/22/2018	John Leana	Meters	
DIVISION SET 6	DIVISION 6-5	1/3/2018	1/22/2018	John Leana	Meters	
DIVISION SET 6	DIVISION 6-6	1/3/2018	1/22/2018	John Leana	Meters	
DIVISION SET 6	DIVISION 6-7	1/3/2018	1/22/2018	John Leana	Meters	
DIVISION SET 6	DIVISION 6-8	1/3/2018	1/22/2018	John Leana	Meters	
DIVISION SET 6	DIVISION 6-9	1/3/2018	1/22/2018	John Leana	Meters	
DIVISION SET 6	DIVISION 6-10	1/3/2018	1/22/2018	John Leana	Meters	
DIVISION SET 6	DIVISION 6-11	1/3/2018	1/22/2018	Alfred Amaral	Meters	
DIVISION SET 6	DIVISION 6-12	1/3/2018	1/22/2018	John Leana	Meters	
DIVISION SET 6	DIVISION 6-13	1/3/2018	1/23/2018	John Leana, Alfred Amaral	Meters	
DIVISION SET 6	DIVISION 6-14	1/3/2018	1/23/2018	John Leana, Alfred Amaral	Meters	
DIVISION SET 6	DIVISION 6-15	1/3/2018	1/23/2018	John Leana, Alfred Amaral	Meters	
DIVISION SET 6	DIVISION 6-16	1/3/2018	1/23/2018	John Leana, Alfred Amaral	Meters	
DIVISION SET 6	DIVISION 6-17	1/3/2018	1/23/2018	John Leana, Alfred Amaral	Meters	
DIVISION SET 6	DIVISION 6-18	1/3/2018	1/22/2018	John Leana	Meters	
DIVISION SET 6	DIVISION 6-19	1/3/2018	1/23/2018	John Leana	Meters	Attachment 6-19-2 Attachment 6-19-3
COMMISSION SET 5						
COMMISSION SET 5	PUC 5-1	1/5/2018	1/21/2018	Melissa Little	Allocation of Service Company Costs	
COMMISSION SET 5	PUC 5-2	1/5/2018	1/24/2018	Melissa Little	Allocation of Service Company Costs	
COMMISSION SET 5	PUC 5-3	1/5/2018	1/21/2018	Melissa Little	Organization Structure	
COMMISSION SET 5	PUC 5-4	1/5/2018	1/24/2018	Melissa Little	Organization Structure	
COMMISSION SET 5	PUC 5-5	1/5/2018	1/24/2018	Anthony Johnston, Christopher Connolly	Geographic Information System (GIS)	
COMMISSION SET 5	PUC 5-6	1/5/2018	1/24/2018	Anthony Johnston, Christopher Connolly	Geographic Information System (GIS)	
COMMISSION SET 5	PUC 5-7	1/5/2018	1/24/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
COMMISSION SET 5	PUC 5-8	1/5/2018	1/21/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
COMMISSION SET 5	PUC 5-9	1/5/2018	1/24/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
COMMISSION SET 5	PUC 5-10	1/5/2018	1/24/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
COMMISSION SET 5	PUC 5-11	1/5/2018	1/24/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	

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COMMISSION SET 5	PUC 5-12	1/5/2018	1/24/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
COMMISSION SET 5	PUC 5-13	1/5/2018	1/25/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
COMMISSION SET 5	PUC 5-14	1/5/2018	1/24/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
COMMISSION SET 5	PUC 5-15	1/5/2018	1/21/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
COMMISSION SET 5	PUC 5-16	1/5/2018	1/25/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
COMMISSION SET 5	PUC 5-17	1/5/2018	1/25/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
COMMISSION SET 5	PUC 5-18	1/5/2018	1/21/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
COMMISSION SET 5	PUC 5-19	1/5/2018	1/25/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
COMMISSION SET 5	PUC 5-20	1/5/2018	1/25/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
COMMISSION SET 5	PUC 5-21	1/5/2018	1/25/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
COMMISSION SET 5	PUC 5-22	1/5/2018	1/25/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
COMMISSION SET 5	PUC 5-23	1/5/2018	1/25/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
COMMISSION SET 5	PUC 5-24	1/5/2018	1/24/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
COMMISSION SET 5	PUC 5-25	1/5/2018	1/24/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
COMMISSION SET 5	PUC 5-26	1/5/2018	1/24/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
COMMISSION SET 5	PUC 5-27	1/5/2018	1/21/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
COMMISSION SET 5	PUC 5-28	1/5/2018	1/24/2018	Anthony Johnston, Christopher Connolly, Melissa Little	Gas Business Enablement	
COMMISSION SET 5	PUC 5-29	1/5/2018	1/25/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
COMMISSION SET 5	PUC 5-30	1/5/2018	1/25/2018	Alfred Amaral, John Currie	Gas Business Enablement	
COMMISSION SET 5	PUC 5-31	1/5/2018	1/25/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
COMMISSION SET 5	PUC 5-32	1/5/2018	1/24/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
COMMISSION SET 5	PUC 5-33	1/5/2018	1/25/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	Attachment 5-33
DIVISION SET 7						
DIVISION SET 7	DIVISION 7-1	1/5/2018	1/25/2018	Paul Normand	Regarding Gas Costs of Service and Rates	Attachment 7-1
DIVISION SET 7	DIVISION 7-2	1/5/2018	1/17/2018	Paul Normand	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-3	1/5/2018	1/17/2018	Paul Normand	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-4	1/5/2018	1/17/2018	Paul Normand	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-5	1/5/2018	1/17/2018	Paul Normand	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-6	1/5/2018	1/17/2018	Paul Normand	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-7	1/5/2018	1/21/2018	Paul Normand	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-8	1/5/2018	1/24/2018	Paul Normand	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-9	1/5/2018	1/17/2018	Paul Normand	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-10	1/5/2018	1/17/2018	Paul Normand	Regarding Gas Costs of Service and Rates	

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DIVISION SET 7	DIVISION 7-11	1/5/2018	1/17/2018	Paul Normand	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-12	1/5/2018	1/17/2018	Paul Normand	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-13	1/5/2018	1/17/2018	Paul Normand	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-14	1/5/2018	1/17/2018	Paul Normand	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-15	1/5/2018	1/24/2018	Paul Normand	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-16	1/5/2018	1/24/2018	Paul Normand	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-17	1/5/2018	1/17/2018	Paul Normand	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-18	1/5/2018	1/17/2018	Paul Normand	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-19	1/5/2018	1/17/2018	Paul Normand	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-20	1/5/2018	1/17/2018	Paul Normand	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-21	1/5/2018	1/21/2018	Paul Normand	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-22	1/5/2018	1/17/2018	Paul Normand	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-23	1/5/2018	1/24/2018	Paul Normand	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-24	1/5/2018	1/17/2018	Ann Leary	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-25	1/5/2018	1/17/2018	Ann Leary	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-26	1/5/2018	1/21/2018	Ann Leary	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-27	1/5/2018	1/21/2018	Ann Leary	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-28	1/5/2018	1/17/2018	Ann Leary	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-29	1/5/2018	1/17/2018	Ann Leary	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-30	1/5/2018	1/17/2018	Ann Leary	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-31	1/5/2018	1/25/2018	Ann Leary	Regarding Gas Costs of Service and Rates	Attachment 7-31
DIVISION SET 7	DIVISION 7-32	1/5/2018	1/17/2018	Ann Leary	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-33	1/5/2018	1/21/2018	Ann Leary	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-34	1/5/2018	1/24/2018	Ann Leary	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-35	1/5/2018	1/25/2018	Ann Leary	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-36	1/5/2018	1/21/2018	Ann Leary	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-37	1/5/2018	1/24/2018	Ann Leary	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-38	1/5/2018	1/24/2018	Ann Leary	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-39	1/5/2018	1/17/2018	Ann Leary	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-40	1/5/2018	1/17/2018	Ann Leary	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-41	1/5/2018	1/17/2018	Ann Leary	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-42	1/5/2018	1/17/2018	Ann Leary	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-43	1/5/2018	1/17/2018	Ann Leary	Regarding Gas Costs of Service and Rates	

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DIVISION SET 7	DIVISION 7-44	1/5/2018	1/24/2018	Ann Leary, Stephen A. Caliri, Eric E. Aprigliano	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-45	1/5/2018	1/17/2018	Ann Leary	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-46	1/5/2018	1/17/2018	Ann Leary	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-47	1/5/2018	1/17/2018	Ann Leary	Regarding Gas Costs of Service and Rates	
DIVISION SET 7	DIVISION 7-48	1/5/2018	1/25/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement Program	
DIVISION SET 7	DIVISION 7-49	1/5/2018	1/21/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement Program	
DIVISION SET 8						
DIVISION SET 8	DIVISION 8-1	1/8/2018	1/27/2018	Robert Sheridan	Benefit-Cost Analyses	
DIVISION SET 8	DIVISION 8-2	1/8/2018	1/27/2018	Robert Sheridan	Benefit-Cost Analyses	
DIVISION SET 8	DIVISION 8-3	1/8/2018	1/27/2018	Robert Sheridan	Grid Modernization	
DIVISION SET 8	DIVISION 8-4	1/8/2018	1/28/2018	Robert Sheridan	Grid Modernization	Attachment 8-4-2
DIVISION SET 8	DIVISION 8-5	1/8/2018	1/27/2018	Robert Sheridan	Grid Modernization	
DIVISION SET 8	DIVISION 8-6	1/8/2018	1/27/2018	Robert Sheridan	Grid Modernization	
DIVISION SET 8	DIVISION 8-7	1/8/2018	1/27/2018	Robert Sheridan	Grid Modernization	
DIVISION SET 8	DIVISION 8-8	1/8/2018	1/28/2018	John Leana	AMF	Attachment 8-8
DIVISION SET 8	DIVISION 8-9	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-10	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-11	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-12	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-13	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-14	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-15	1/8/2018	1/27/2018	John Leana	AMF	Attachment 8-15-2
DIVISION SET 8	DIVISION 8-16	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-17	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-18	1/8/2018	1/28/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-19	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-20	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-21	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-22	1/8/2018	1/28/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-23	1/8/2018	1/28/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-24	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-25	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-26	1/8/2018	1/28/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-27	1/8/2018	1/28/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-28	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-29	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-30	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-31	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-32	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-33	1/8/2018	1/28/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-34	1/8/2018	1/28/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-35	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-36	1/8/2018	1/28/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-37	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-38	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-39	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-40	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-41	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-42	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-43	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-44	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-45	1/8/2018	1/28/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-46	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-47	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-48	1/8/2018	1/28/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-49	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-50	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-51	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-52	1/8/2018	1/27/2018	John Leana	AMF	

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DIVISION SET 8	DIVISION 8-53	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-54	1/8/2018	1/27/2018	John Leana	AMF	
DIVISION SET 8	DIVISION 8-55	1/8/2018	1/27/2018	Melissa Little	PST Provision	
DIVISION SET 8	DIVISION 8-56	1/8/2018	1/28/2018	Melissa Little	PST Provision	
DIVISION SET 8	DIVISION 8-57	1/8/2018	1/28/2018	Kayte O'Neill	PST Provision	
DIVISION SET 8	DIVISION 8-58	1/8/2018	1/28/2018	Kayte O'Neill	PST Provision	
DIVISION SET 8	DIVISION 8-59	1/8/2018	1/28/2018	Kayte O'Neill	PST Provision	
DIVISION SET 8	DIVISION 8-60	1/8/2018	1/27/2018	Melissa Little	Revenue Requirements	
DIVISION SET 8	DIVISION 8-61	1/8/2018	1/27/2018	Melissa Little	Revenue Requirements	
DIVISION SET 8	DIVISION 8-62	1/8/2018	1/27/2018	Melissa Little	Revenue Requirements	
DIVISION SET 9						
DIVISION SET 9	DIVISION 9-1	1/11/2018	1/31/2018	Melissa Little	Revenue Requirement	
DIVISION SET 9	DIVISION 9-2	1/11/2018	1/30/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Service Company Rents	
DIVISION SET 9	DIVISION 9-3	1/11/2018	1/31/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Service Company Rents	
DIVISION SET 9	DIVISION 9-4	1/11/2018	1/30/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Service Company Rents	
DIVISION SET 9	DIVISION 9-5	1/11/2018	1/31/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Service Company Rents	Attachment 9-5-4
DIVISION SET 9	DIVISION 9-6	1/11/2018	1/31/2018	Maureen Heaphy, Melissa Little	Labor Expenses	
DIVISION SET 9	DIVISION 9-7	1/11/2018	1/30/2018	Raymond Rosario, Alfred Amaral	Labor Expenses	
DIVISION SET 9	DIVISION 9-8	1/11/2018	1/30/2018	Raymond Rosario, Alfred Amaral, Ryan Constable	Labor Expenses	
DIVISION SET 9	DIVISION 9-9	1/11/2018	1/30/2018	Melissa Little	Labor Expenses	
DIVISION SET 9	DIVISION 9-10	1/11/2018	2/1/2018	Melissa Little	Labor Expenses	
DIVISION SET 9	DIVISION 9-11	1/11/2018	EXTENSION 2/8/2018	Melissa Little	Labor Expenses	
DIVISION SET 9	DIVISION 9-12	1/11/2018	1/31/2018	Melissa Little	Uninsured Claims	
DIVISION SET 9	DIVISION 9-13	1/11/2018	1/31/2018	Melissa Little	Uninsured Claims	
DIVISION SET 9	DIVISION 9-14	1/11/2018	1/30/2018	Melissa Little	Uncollectable Accounts	
DIVISION SET 9	DIVISION 9-15	1/11/2018	1/30/2018	Raymond Rosario	Electric and Gas Operations	
DIVISION SET 9	DIVISION 9-16	1/11/2018	1/31/2018	John Isberg	Customer Affordability Program	
DIVISION SET 9	DIVISION 9-17	1/11/2018	1/30/2018	John Isberg	Customer Affordability Program	
DIVISION SET 9	DIVISION 9-18	1/11/2018	1/31/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 9	DIVISION 9-19	1/11/2018	1/31/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 9	DIVISION 9-20	1/11/2018	1/31/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 9	DIVISION 9-21	1/11/2018	1/31/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 9	DIVISION 9-22	1/11/2018	1/31/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 9	DIVISION 9-23	1/11/2018	1/31/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 9	DIVISION 9-24	1/11/2018	1/31/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 9	DIVISION 9-25	1/11/2018	1/31/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 9	DIVISION 9-26	1/11/2018	1/31/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 9	DIVISION 9-27	1/11/2018	1/31/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	

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DIVISION SET 9	DIVISION 9-28	1/11/2018	1/31/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 9	DIVISION 9-29	1/11/2018	1/31/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 9	DIVISION 9-30	1/11/2018	1/31/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 9	DIVISION 9-31	1/11/2018	1/31/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 9	DIVISION 9-32	1/11/2018	1/31/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 9	DIVISION 9-33	1/11/2018	1/31/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 9	DIVISION 9-34	1/11/2018	1/31/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 9	DIVISION 9-35	1/11/2018	1/31/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 9	DIVISION 9-36	1/11/2018	1/31/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 9	DIVISION 9-37	1/11/2018	1/31/2018	Howard Gorman	Cost of Service & Rate Design	
DIVISION SET 9	DIVISION 9-38	1/11/2018	1/21/2018	Howard Gorman	Cost of Service & Rate Design	
DIVISION SET 9	DIVISION 9-39	1/11/2018	1/21/2018	Howard Gorman	Cost of Service & Rate Design	
DIVISION SET 9	DIVISION 9-40	1/11/2018	1/21/2018	Howard Gorman	Cost of Service & Rate Design	
DIVISION SET 9	DIVISION 9-41	1/11/2018	1/21/2018	Howard Gorman	Cost of Service & Rate Design	
DIVISION SET 9	DIVISION 9-42	1/11/2018	1/21/2018	Howard Gorman	Cost of Service & Rate Design	
DIVISION SET 9	DIVISION 9-43	1/11/2018	1/21/2018	Howard Gorman	Cost of Service & Rate Design	
Department of the Navy						
DON SET 1	DON 1-1	1/11/2018	2/1/2018	Robert B. Hevert, Joseph F. Gredder, Theodore E. Poe Jr, Raymond J Rosario, Alfred Amaral, Ryan M Constable, John F Isberg, Ned W Allis, Melissa A Little, Howard S Gorman, Paul M Normand, Ann E Leary, Scott M McCabe	Workpapers	
DON SET 1	DON 1-2	1/11/2018	2/1/2018	Howard Gorman	RateDesign	
DON SET 1	DON 1-3	1/11/2018	WITHDRAWN	on JANUARY 31, 2018		
DON SET 1	DON 1-4	1/11/2018	2/1/2018	Timothy Roughan	DG Programs	
DON SET 1	DON 1-5	1/11/2018	2/1/2018	Timothy Roughan	Combined Heat and Power Incentives	
DIVISION SET 10						
DIVISION SET 10	DIVISION 10-1	1/12/2018	2/2/2018	Melissa Little	PST Factor	
DIVISION SET 10	DIVISION 10-2	1/12/2018	2/2/2018	Carlos Nouel	PST Initiative Benefit-Cost Analyses	
DIVISION SET 10	DIVISION 10-3	1/12/2018	1/30/2018	Carlos Nouel	PST Initiative Benefit-Cost Analyses	
DIVISION SET 10	DIVISION 10-4	1/12/2018	2/2/2018	Carlos Nouel	PST Initiative Benefit-Cost Analyses	
DIVISION SET 10	DIVISION 10-5	1/12/2018	2/2/2018	Carlos Nouel	PST Initiative Benefit-Cost Analyses	
DIVISION SET 10	DIVISION 10-6	1/12/2018	2/2/2018	Timothy Roughan, Meghan McGuinness	Performance Incentives	
DIVISION SET 10	DIVISION 10-7	1/12/2018	2/2/2018	Timothy Roughan, Meghan McGuinness	Performance Incentives	
DIVISION SET 10	DIVISION 10-8	1/12/2018	2/2/2018	Carlos Nouel	Performance Incentives	

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DIVISION SET 10	DIVISION 10-9	1/12/2018	1/30/2018	Timothy Roughan, Meghan McGuinness	Performance Incentives	
DIVISION SET 10	DIVISION 10-10	1/12/2018	2/2/2018	Timothy Roughan, Meghan McGuinness	Performance Incentives	
DIVISION SET 10	DIVISION 10-11	1/12/2018	2/2/2018	Timothy Roughan, Meghan McGuinness	Performance Incentives	
DIVISION SET 10	DIVISION 10-12	1/12/2018	1/30/2018	Timothy Roughan, Meghan McGuinness	Performance Incentives	
DIVISION SET 10	DIVISION 10-13	1/12/2018	2/2/2018	Timothy Roughan, Meghan McGuinness	Performance Incentives	
DIVISION SET 10	DIVISION 10-14	1/12/2018	2/2/2018	Timothy Roughan, Meghan McGuinness	Performance Incentives	
DIVISION SET 10	DIVISION 10-15	1/12/2018	2/2/2018	Timothy Roughan, Meghan McGuinness	Performance Incentives	
DIVISION SET 10	DIVISION 10-16	1/12/2018	2/2/2018	Timothy Roughan, Meghan McGuinness	Performance Incentives	
DIVISION SET 10	DIVISION 10-17	1/12/2018	2/2/2018	Timothy Roughan, Meghan McGuinness	Performance Incentives	
DIVISION SET 10	DIVISION 10-18	1/12/2018	2/2/2018	Timothy Roughan, Meghan McGuinness	Performance Incentives	
DIVISION SET 10	DIVISION 10-19	1/12/2018	2/2/2018	Timothy Roughan, Meghan McGuinness	Performance Incentives	
DIVISION SET 10	DIVISION 10-20	1/12/2018	2/2/2018	Timothy Roughan, Meghan McGuinness	Performance Incentives	
DIVISION SET 10	DIVISION 10-21	1/12/2018	2/2/2018	Timothy Roughan, Meghan McGuinness	Performance Incentives	
DIVISION SET 10	DIVISION 10-22	1/12/2018	2/2/2018	Timothy Roughan, Meghan McGuinness	Performance Incentives	
DIVISION SET 10	DIVISION 10-23	1/12/2018	2/2/2018	Timothy Roughan, Meghan McGuinness	Performance Incentives	
DIVISION SET 10	DIVISION 10-24	1/12/2018	2/2/2018	Timothy Roughan, Meghan McGuinness	Performance Incentives	
DIVISION SET 10	DIVISION 10-25	1/12/2018	2/2/2018	Timothy Roughan, Meghan McGuinness	Performance Incentives	
DIVISION SET 10	DIVISION 10-26	1/12/2018	2/2/2018	Timothy Roughan, Meghan McGuinness	Performance Incentives	
DIVISION SET 11						
DIVISION SET 11	DIVISION 11-1	1/16/2018	2/2/2018	Melissa Little	Revenue Requirements	
DIVISION SET 11	DIVISION 11-2	1/16/2018	2/2/2018	Melissa Little	Revenue Requirements	
DIVISION SET 11	DIVISION 11-3	1/16/2018	2/2/2018	Melissa Little	Revenue Requirements	
DIVISION SET 11	DIVISION 11-4	1/16/2018	2/2/2018	Melissa Little	Revenue Requirements	
DIVISION SET 11	DIVISION 11-5	1/16/2018	2/5/2018	Melissa Little	Revenue Requirements	
DIVISION SET 11	DIVISION 11-6	1/16/2018	2/2/2018	Melissa Little	Revenue Requirements	
DIVISION SET 11	DIVISION 11-7	1/16/2018	2/5/2018	Melissa Little	Revenue Requirements	
DIVISION SET 11	DIVISION 11-8	1/16/2018	2/2/2018	Melissa Little	Revenue Requirements	
DIVISION SET 11	DIVISION 11-9	1/16/2018	2/2/2018	Melissa Little	Revenue Requirements	
DIVISION SET 11	DIVISION 11-10	1/16/2018	2/2/2018	Melissa Little, Jody Allison	Revenue Requirements	
DIVISION SET 11	DIVISION 11-11	1/16/2018	2/2/2018	Melissa Little	Revenue Requirements	
DIVISION SET 11	DIVISION 11-12	1/16/2018	2/2/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Revenue Requirements	
DIVISION SET 11	DIVISION 11-13	1/16/2018	2/2/2018	Melissa Little	Revenue Requirements	
DIVISION SET 12						

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DIVISION SET 12	DIVISION 12-1	1/18/2018	<i>Pending</i>	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 12	DIVISION 12-2	1/18/2018	2/6/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 12	DIVISION 12-3	1/18/2018	2/6/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 12	DIVISION 12-4	1/18/2018	2/6/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 12	DIVISION 12-5	1/18/2018	2/7/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 12	DIVISION 12-6	1/18/2018	2/7/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 12	DIVISION 12-7	1/18/2018	2/7/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 12	DIVISION 12-8	1/18/2018	2/7/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 12	DIVISION 12-9	1/18/2018	2/7/2018	Anthony Johnston, Christopher Connolly	Gas Business Enablement	
DIVISION SET 12	DIVISION 12-10	1/18/2018	2/7/2018	Anthony Johnston, Christopher Connolly, Melissa Little	Gas Business Enablement	
DIVISION SET 12	DIVISION 12-11	1/18/2018	2/7/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Service Company Rents	
DIVISION SET 12	DIVISION 12-12	1/18/2018	2/6/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Service Company Rents	
DIVISION SET 12	DIVISION 12-13	1/18/2018	2/6/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Service Company Rents	
DIVISION SET 12	DIVISION 12-14	1/18/2018	<i>Pending</i>	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Service Company Rents	
DIVISION SET 12	DIVISION 12-15	1/18/2018	2/6/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 12	DIVISION 12-16	1/18/2018	2/6/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 12	DIVISION 12-17	1/18/2018	2/6/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 12	DIVISION 12-18	1/18/2018	2/6/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 12	DIVISION 12-19	1/18/2018	2/7/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 12	DIVISION 12-20	1/18/2018	2/7/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 12	DIVISION 12-21	1/18/2018	2/6/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 12	DIVISION 12-22	1/18/2018	2/7/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 12	DIVISION 12-23	1/18/2018	2/7/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 12	DIVISION 12-24	1/18/2018	2/6/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 12	DIVISION 12-25	1/18/2018	2/6/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	

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DATA SET	DATA REQUEST	DATE ISSUED	DATE FILED	WITNESS	TOPIC	CONFIDENTIAL ATTACHMENT
DIVISION SET 12	DIVISION 12-26	1/18/2018	2/6/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 12	DIVISION 12-27	1/18/2018	2/6/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 12	DIVISION 12-28	1/18/2018	2/6/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 12	DIVISION 12-29	1/18/2018	2/6/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 12	DIVISION 12-30	1/18/2018	2/7/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 12	DIVISION 12-31	1/18/2018	2/6/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 12	DIVISION 12-32	1/18/2018	2/7/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 12	DIVISION 12-33	1/18/2018	2/6/2018	John Gilbert, Daniel DeMauro, Mukund Ravipaty	Technology Modernization Program	
DIVISION SET 13						
DIVISION SET 13	DIVISION 13-1	1/18/2018	2/6/2018	Timothy Roughan, Meghan McGuinness	Peak Demand Reduction	
DIVISION SET 13	DIVISION 13-2	1/18/2018	2/6/2018	Timothy Roughan, Meghan McGuinness	Peak Demand Reduction	
DIVISION SET 13	DIVISION 13-3	1/18/2018	2/6/2018	Timothy Roughan, Meghan McGuinness	Peak Demand Reduction	
DIVISION SET 13	DIVISION 13-4	1/18/2018	2/6/2018	Timothy Roughan, Meghan McGuinness	Peak Demand Reduction	
DIVISION SET 13	DIVISION 13-5	1/18/2018	2/6/2018	Timothy Roughan, Meghan McGuinness	Peak Demand Reduction	
DIVISION SET 13	DIVISION 13-6	1/18/2018	2/6/2018	Timothy Roughan, Meghan McGuinness	Peak Demand Reduction	
DIVISION SET 13	DIVISION 13-7	1/18/2018	2/6/2018	Timothy Roughan, Meghan McGuinness	Peak Demand Reduction	
DIVISION SET 13	DIVISION 13-8	1/18/2018	2/6/2018	Timothy Roughan, Meghan McGuinness	Peak Demand Reduction	
DIVISION SET 13	DIVISION 13-9	1/18/2018	2/6/2018	Timothy Roughan, Meghan McGuinness	Peak Demand Reduction	Attachment 13-9-1 through Attachment 13-9-14

**Fifth Set of Data Requests in Docket 4770
From the Division of Public Utilities to National Grid
January 3, 2018**

Benefit-Cost Analyses

- 5-1. For each benefit-cost analysis included in the rate case filing, please provide all workpapers, workbooks, and calculations in machine-readable format with formulas intact.

Response can be found in Book 1 on Bates page(s) 1-4.

- 5-2. For each benefit-cost analysis included in the rate case filing, please describe each methodology or assumption that is different from the methodologies and assumptions used by the Company when modeling the cost-effectiveness of its energy efficiency programs.

Response can be found in Book 1 on Bates page(s) 5-7.

- 5-3. For each benefit-cost analysis included in the rate case filing, please use a societal discount rate of 3.0% (in real terms). Please provide all workpapers, workbooks, and calculations in machine-readable format with formulas intact.

Response can be found in Book 1 on Bates page(s) 8-75.

- 5-4. For each benefit-cost analysis included in the rate case filing, please use a discount rate equal to the discount rate that is currently used for modeling the cost-effectiveness of the Company's energy efficiency programs. Please provide all workpapers, workbooks, and calculations in machine-readable format with formulas intact.

Response can be found in Book 1 on Bates page(s) 76.

- 5-5. With regard to PST Book 1, Appendix 2.2 on Economic Development, please provide all documentation, workbooks, and workpapers used for this analysis, in machine-readable format with formulas intact.

Response can be found in Book 1 on Bates page(s) 77-88.

PST Tracker

- 5-6. With regard to the most recent ISR filing submitted by the Company, what portion of the Company's total annual capital expenditures were recovered through the ISR relative to other ratemaking mechanisms. Please provide the actual ISR capital expenditures and the actual non-ISR capital expenditures, as well as the proportions.

Response can be found in Book 1 on Bates page(s) 89.

- 5-7. With regard to the most recent ISR filing submitted by the Company, what portion of the Company's total annual non-capital expenditures were recovered through the ISR relative to other ratemaking mechanisms. Please provide the actual ISR non-capital expenditures and the actual non-ISR non-capital expenditures, as well as the proportions.

Response can be found in Book 1 on Bates page(s) 90.

- 5-8. Please describe how the regulatory review of the PST Factor and the PST Reconciliation Factor would differ from the regulatory review of the ISR, in terms of timing, stakeholder input, and related procedures. Does the Company intend to coordinate or synchronize the two review processes?

Response can be found in Book 1 on Bates page(s) 91-92.

- 5-9. Please describe how the recovery of the PST costs would differ from the recovery of costs reviewed through the ISR?

Response can be found in Book 1 on Bates page(s) 93.

- 5-10. Please explain why the Company does not simply submit all PST costs to the ISR review, and recover all PST costs through the ISR process, instead of creating the PST Factor and the PST Reconciliation Factor.

Response can be found in Book 1 on Bates page(s) 94-95.

- 5-11. Please explain why the Company did not request the inclusion of the Power Sector Transformation costs in base rates under a multi-year rate plan?

Response can be found in Book 1 on Bates page(s) 96.

Grid Modernization

- 5-12. Refer to Schedule PST-1, Chapter 3, pages 4-5.

- a. Please provide the results of the VVO/CVR pilot project.
- b. Please provide the estimated savings on the additional 40 feeders.

Response can be found in Book 1 on Bates page(s) 97-129.

- 5-13. Refer to Schedule PST-1, Chapter 3, page 4 regarding the power flow analysis to perform long-term system planning. Please provide the Company's most recent long-term system plan.

Response can be found in Book 1 on Bates page(s) 130.

- 5-14. Refer to Schedule PST-1, Chapter 3, page 7 regarding the system data portal.
- a. Please describe the methodology for identifying the most advantageous locations for DERs, and whether this methodology will include an estimate of locational avoided costs.
 - b. Please provide a link to the similar system data portal deployed in New York and any documents that describe the additional functionality planned or under development.

Response can be found in Book 1 on Bates page(s) 131-132.

Advanced Meter Functionality

- 5-15. Refer to page 1 of Chapter 4 – AMF in Schedule PST-1, in which the customer service enhancements are described as “including notifications about changes to consumption patterns mid-month that give customers an opportunity to take action before the end of the billing cycle.” Please provide the average load profile of a) Income Eligible customers and b) non-Income Eligible customers for the last five calendar years. Please provide the the profiles in machine-readable Excel documents.

Response can be found in Book 1 on Bates page(s) 133-158.

- 5-16. Please provide the number of residential and commercial customers by service rate over the last five calendar years.

Response can be found in Book 1 on Bates page(s) 159-165.

- 5-17. Please provide a list of all energy efficiency, conservation, and demand response programs – collectively, demand-side management (DSM) projects – currently offered by the Company, including the names and brief descriptions of the programs.

Response can be found in Book 1 on Bates page(s) 166-171.

- 5-18. Please provide a list of all DSM program that are expected to be deployed in the upcoming calendar year.

Response can be found in Book 1 on Bates page(s) 172-178.

- 5-19. For each current DSM program, please provide the annual number of customers participating in the program, by rate schedule, for each of the past five calendar years.

Response can be found in Book 1 on Bates page(s) 179-181.

- 5-20. Please provide the number of Income Eligible customers each year for the most recent five calendar years.

Response can be found in Book 1 on Bates page(s) 182.

Transportation Electrification

5-21. Refer to Schedule PST-1, Chapter 5, page 1 regarding company-owned charging stations.

- a. Please discuss whether any company-owned charging stations are operated by third-party vendors.
- b. Please identify whether the site host is the customer of record for each charging station, or whether the Company is the customer of record.
- c. Please describe whether and how EV drivers pay to use the station, and whether payment is on a time basis, kWh basis, or some other basis.
- d. Please provide the date of installation for each station.
- e. Please provide data showing the utilization of each station, and the hours during which the stations are used.
- f. Please provide a map of the locations of the Company's charging stations.
- g. Please describe how the decision regarding where to locate stations is made.

Response can be found in Book 1 on Bates page(s) 183-188.

5-22. Refer to Schedule PST-1, Chapter 5, page 1 regarding public charging stations needed.

- a. Please provide the number of EVs registered in Rhode Island for each of the past 5 years.
- b. Has the Company estimated how many public charging stations will be necessary to support the 40-fold growth in EV adoption under the ZEV Draft Plan? If yes, please provide such estimates.
- c. Please provide any data or analyses that the Company has in its possession regarding the relationship between EV adoption and charging station availability.

Response can be found in Book 2 on Bates page(s) 1-248.

5-23. Refer to Schedule PST-1, Chapter 5, page 5 regarding the Charging Station Demonstration Program, and construction and ownership by the Company of a new distribution service and required electrical infrastructure (such as new electrical panel, conduit, and wiring) at the premises for each charging site.

- a. Will the Company install a new distribution service even if it is not needed to support a charging station?

- b. Will the host customer be assessed an additional monthly fixed charge for the new distribution service?
- c. If a station is not operated by the Company, will a customer be assessed a demand charge (if a demand charge is included in the tariff under which the customer takes service)?

Response can be found in Book 2 on Bates page(s) 249.

5-24. Refer to Schedule PST-1, Chapter 5, page 5 regarding DC fast charging under the Charging Station Demonstration Program.

- a. Please describe how the Company determined that DC Fast Charging should be installed at four public locations at the current time.
- b. Please provide all data and analysis that the Company has in its possession regarding the utilization of the existing DC fast chargers in Rhode Island.
- c. Did the Company consider providing a rate discount equal to the demand charge to encourage third parties to install additional DC Fast Charging stations? If yes, please explain why this approach was not selected.
- d. Did the Company consider providing a charging station rebate (or other up-front incentive) to encourage third parties to install additional DC Fast Charging stations? If yes, please explain why this approach was not selected.

Response can be found in Book 2 on Bates page(s) 250-252.

5-25. Refer to Schedule PST-1, Chapter 5, page 8 regarding Discount Pilot for DC Fast Charging Station Accounts.

- a. Please confirm that the demand charge will essentially be waived for three years for service for dedicated DC Fast Charging.
- b. For each of the existing DC Fast Charging stations, please provide the customer's rate schedule, the customer's total annual bill, the demand charge portion of the total bill, and the load factor. If such information cannot be provided due to confidentiality reasons, please provide the data in as much detail as possible (such as in a histogram with ranges for each category).
- c. Will the Company consider a phasing-in of the demand charge once the three-year period is over?

Response can be found in Book 2 on Bates page(s) 253-254.

Electric Heat Initiative

- 5-26. Refer to Schedule PST-1, Chapter 6. For each of the four Electric Heat Initiative components, please identify whether the component could be implemented through the Company's energy efficiency programs instead of through a separate PST initiative, and what the advantages or disadvantages of doing so would be.

Response can be found in Book 2 on Bates page(s) 255-256.

Energy Storage

- 5-27. Refer to Schedule PST-1, Chapter 7 regarding energy storage. Please discuss how the Company will evaluate potential locations to maximize quantifiable benefits.

Response can be found in Book 2 on Bates page(s) 257.

Income Eligible

- 5-28. Refer to Schedule PST-1, Chapter 8 regarding the Company's proposed Solar Program.
- a. Please discuss whether the low income bill reductions under the Company's proposed Solar Program would likely be the same, less than, or greater than bill reductions under a comparable investment in the Community Renewables program.
 - b. Please discuss whether the Company considered additional support for the Community Renewables program instead of the proposed Solar Program. If yes, please discuss the decision to propose the Solar Program rather than investments in the Community Renewables program.

Response can be found in Book 2 on Bates page(s) 258.

Performance Incentives

Proposed Capital Efficiency Incentives

- 5-29. Regarding the proposed metric for the Complex Capital Projects Capital Cost Incentive:
- a. Please explain whether the incentive would apply to all of the projects included in the Company's ISR plan, or only a subset. If only a subset, please explain how such projects would be determined.
 - b. Please provide portfolios of complex capital projects for FY 2015, 2016, and 2017, including the project names, sizes, and brief descriptions.
 - c. Please provide baseline estimates of cost for portfolios of complex capital projects for FY 2015, 2016, and 2017.
 - d. Please provide a list of planned complex capital projects for FY 2018.

Response can be found in Book 2 on Bates page(s) 259-263.

- 5-30. Please provide the rationale behind the \$2.5 million cap on the value of savings that might be retained by the Company from the Complex Capital Projects Capital Cost Incentive.

Response can be found in Book 2 on Bates page(s) 264.

- 5-31. Please provide information on the per-mile construction costs for previous overhead distribution line projects.

Response can be found in Book 2 on Bates page(s) 265-266.

System Efficiency PIM

- 5-32. For each of the most recent five years, please provide the portion of total costs that each of the following categories represents: generation capacity (FCM), transmission, distribution, and energy supply. Please provide these costs on a monthly basis, if possible.

Response can be found in Book 2 on Bates page(s) 267-268.

- 5-33. Refer to Workpaper 9.1 – Peak Demand Reduction Targets.
- a. Please provide the Company's internal peak forecast in machine-readable format.
 - b. Please provide the methodology behind and the input data for the forecast in machine-readable format.
 - c. Please provide the methodology and calculations for the EE reduction and PV reduction forecasts in machine-readable format.

Response can be found in Book 2 on Bates page(s) 269-286.

5-34. Regarding the proposed metric for the Monthly Transmission Peak Demand Reduction Incentive Mechanism:

- a. Please describe the weather-normalization methodology to be used for this PIM and provide a numerical example.
- b. Please provide the actual monthly peaks for each of the most recent five years in MW, as well as the date and time of the peak.
- c. Please provide the weather-normalized monthly peaks for each of the most recent five years.
- d. Please provide the reductions in monthly peaks for each of the most recent five years due to energy efficiency, storage, DG, VVO, and Demand Response. Where possible, please provide the reductions separately, by technology.
- e. Please explain how “large new electric loads” is defined.
- f. Please provide the additions of “large new electric loads” on the system for each of the past five years, as well as the peak demands at the new large load sites that are coincident with monthly or annual peak load.

Response can be found in Book 3 part 1 on Bates page(s) 1-10.

5-35. Regarding the proposed metric for the Forward Capacity Market Peak Demand Reduction:

- a. Please describe the weather-normalization methodology to be used for this PIM and provide a numerical example.
- b. Please provide the actual annual peak load for each of the past five years in MW, as well as the date and time of the peak.
- c. Please provide the weather-normalized annual peak load for each of the past five years.
- d. Please provide the reductions in annual peak load from the past five years due to energy efficiency, storage, DG, VVO, and Demand Response. Where possible, please provide the reductions separately, by technology.

Response can be found in Book 3 part 1 on Bates page(s) 11-20.

5-36. Refer to Workpaper 9.4 – Incentive Benefits, page 2 of 5. Please provide the calculations used to derive the annual capacity benefits from the peak targets (in MW) in as a machine-readable Excel file.

Response can be found in Book 3 part 1 on Bates page(s) 21-23.

5-37. Regarding the EV Off-Peak Charging Rebate Participation incentive mechanism:

- a. Please explain how off-peak EV charging will be measured. Will an advanced meter be required, or will the Company rely on a different technology?
- b. If the Company will rely on a different technology to measure off-peak charging, please describe the technology, the cost of the technology, and who will bear the cost of purchasing and installing the technology.
- c. Please explain how target participation levels will be developed. Will the target participation level be based on a percentage of EV sales in Rhode Island, or some other metric?

Response can be found in Book 3 part 1 on Bates page(s) 24-25.

Distributed Energy Resources

5-38. Regarding DG-Friendly Substation Transformers:

- a. Please describe the conditions under which ground fault detection is needed to integrate DG.
- b. Please identify the number of substation transformers that currently experience the conditions described in (a).
- c. Please identify the number of substation transformers that are projected to experience the conditions described in (a), and when such conditions are expected to first occur.
- d. Please provide the number of substation transformers that already have ground fault detection (3V0) installed and are capable of readily accommodating distributed generation.
- e. Please provide the number of substation transformers that were installed with ground fault detection (3V0) each year for the past five years.
- f. For each substation, please provide the number and capacity (MW) of DG installations, and identify whether the substation already has ground fault detection installed, or when installation is planned.

Response can be found in Book 3 part 1 on Bates page(s) 26-29.

5-39. Regarding the Company's Connected Solutions program:

- a. Please provide the average annual number of residential customers participating in the Connected Solutions program for each of the last five years.
- b. For each high energy demand event over the last five years, please provide the MW reductions attributed to the Connected Solutions program.

- c. Please provide the average kW reduction per high energy demand event per residential customer attributed to the Connected Solutions program.
- d. Please provide the program costs by major cost category, exclusive of customer incentives, for each of the past five years.

Response can be found in Book 3 part 1 on Bates page(s) 30-35.

5-40. Regarding the Company's C&I demand response programs:

- a. Please describe each of the Company's C&I demand response programs.
- b. Please provide the average annual number of commercial and industrial customers, separately, participating in the Company's C&I demand response programs.
- c. Please provide the historical MW capacity enrolled in the Company's C&I demand response programs.
- d. Please provide the historical MW reductions achieved via the Company's C&I demand response programs.
- e. Please provide the program costs by major cost category, exclusive of customer incentives, for each of the past five years.
- f. Are demand reductions attributable to this program included in the Company's baseline forecast of peak demand?

Response can be found in Book 3 part 1 on Bates page(s) 36-38.

CORRECTED Response can be found on Bates page(s) 1-3.

5-41. Regarding the Company's ground source heat pump and equipment incentives being offered under the Electric Heat Initiative:

- a. Please provide the annual number of customers, by rate schedule, that have used the Company's ground source heat pump and equipment incentives for the past five years;
- b. Please provide the annual CO₂ reductions attributed to the ground source heat pump and equipment incentives for the past five years.
- c. Please provide the average per customer CO₂ reductions, by customer class, attributed to the ground source heat pump and equipment incentives for the past five years.
- d. Are demand reductions attributable to these programs included in the Company's baseline forecast of peak demand?

Response can be found in Book 3 part 1 on Bates page(s) 39.

5-42. Regarding Electric Vehicles:

- a. Please provide the data and calculations used to derive the 2018 – 2021 forecasts for EV registrations in Workpaper 9.3 – Electric Vehicle Targets in machine-readable format.
- b. Has the Company or its consultants developed any other forecasts of EV Sales Growth? If yes, please provide such forecasts.

Response can be found in Book 3 part 1 on Bates page(s) 40-56.

5-43. Regarding behind-the-meter storage:

- a. Please provide the total MWs of behind-the-meter storage currently installed in National Grid's Rhode Island service territory, by customer class.
- b. Please provide the annual incremental MW of installed behind-the-meter storage for the past five years.
- c. Please describe how the Company is informed of, and tracks, behind-the-meter storage.
- d. Please discuss whether the Company will be rewarded for any additional behind-the-meter storage installed, or only incremental to a baseline forecast of naturally-occurring storage installations.

Response can be found in Book 3 part 1 on Bates page(s) 57.

5-44. Regarding Company-owned storage as described on Schedule PST-1, Chapter 9, page 13:

- a. Please identify whether the Company owns any storage that is not "used to support peak reduction or provide other system benefits."
- b. Please provide the total MW and MWh of Company-owned storage currently installed.
- c. Please provide the annual incremental MW and MWh of Company-owned storage for the past five years.
- d. Please provide a list of all planned Company-owned storage projects, including the site, size (in MW and MWh), and expected installation date.

Response can be found in Book 3 part 1 on Bates page(s) 58.

Network Support Services

5-45. Refer to page 175 of the Power Sector Transformation Panel (Book 1 of 3). Please provide examples of customer insights from internal customer research, knowledge gained from Company experience with pilot projects, and industry best practices that will be used in the

proposed customer engagement plan under the AMF Customer Engagement and Deployment incentive mechanism.

Response can be found in Book 3 part 1 on Bates page(s) 59-Book 3 part 5 on Bates pages(s) 280.

5-46. Regarding the VVO Pilot Delivery incentive mechanism:

- a. Please provide the baseline reduction in energy consumption and peak demand that will be used in the VVO Pilot Delivery incentive mechanism.
- b. Please provide all supporting documents for the development of the baseline.

Response can be found in Book 3 part 5 on Bates page(s) 281-286.

5-47. Regarding the Time to Interconnection Service Agreement (ISA) metric:

- a. Please provide the average time measured in business days necessary for the Company to provide a customer with an executable ISA (commencing from the date a completed application is received) over all processes for the last five years.
- b. Please provide the annual number of ISAs completed for the last five years.
- c. Please provide the annual number of ISAs completed within the number of business days allowed by the Interconnection Tariff.
- d. Please provide the annual number of ISAs not completed within the number of business days allowed by the Interconnection Tariff.

Response can be found in Book 3 part 5 on Bates page(s) 287-288.

5-48. Regarding the Average Days to System Modification metric:

- a. Please provide the average time measured in business days necessary for the Company to complete system modifications (commencing from the date of execution of the ISA) over all processes for the last five years.
- b. Please provide the annual number of system modifications completed for the last five years.
- c. Please provide the annual number of system modifications completed within the number of business days allowed by the Interconnection Tariff.
- d. Please provide the annual number of system modifications not completed within the number of business days allowed by the Interconnection Tariff.

Response can be found in Book 3 part 5 on Bates page(s) 289-290.

- 5-49. Regarding the Interconnection Support Estimate versus Actual Cost incentive:
- a. Please discuss whether the employees developing the actual costs will have access to the cost estimates.
 - b. If the answer to (a) is yes, please discuss how the Company will mitigate the incentive for an employee to modify the actual cost so that it better matches the estimated cost.
 - c. Please discuss whether any independent review of the data is contemplated.

Response can be found in Book 3 part 5 on Bates page(s) 291.

Impact on Policy Goals and Benefits to Customers

- 5-50. Please provide the calculations used to arrive at the Company WACC that is used in Workpaper 9.4 – Incentive Benefits in a machine-readable Excel document.

Response can be found in Book 3 part 5 on Bates page(s) 292-293.

System Efficiency

- 5-51. Please provide estimates of savings from reduced capacity share that will benefit customers in the years 2020 and 2021 from the Forward Capacity Market Peak Demand Reduction targets.

Response can be found in Book 3 part 5 on Bates page(s) 294-296.

- 5-52. Please describe the value the EV Off-Peak Charging Rebate is expected to provide in understanding customer response to time-differentiated price signals. Please provide examples of how this understanding will assist the development of time-differentiated price signals via AMF deployment.

Response can be found in Book 3 part 5 on Bates page(s) 297.

Network Support Services

- 5-53. Refer to Schedule PST-1, Chapter 9, page 21. Please list the system efficiencies that are expected to occur through the combination of AMF and VVO/CVR.

Response can be found in Book 3 part 5 on Bates page(s) 298.

Division 5-40 CORRECTED

Request:

Regarding the Company's C&I demand response programs:

- a. Please describe each of the Company's C&I demand response programs.
- b. Please provide the average annual number of commercial and industrial customers, separately, participating in the Company's C&I demand response programs.
- c. Please provide the historical MW capacity enrolled in the Company's C&I demand response programs.
- d. Please provide the historical MW reductions achieved via the Company's C&I demand response programs.
- e. Please provide the program costs by major cost category, exclusive of customer incentives, for each of the past five years.
- f. Are demand reductions attributable to this program included in the Company's baseline forecast of peak demand?

Response:

The Company has one demand response program for C&I customers; the program opened and ran for the first time in summer of 2017. The responses provided below are based on that single year of results for the program.

- a. The Company's demand response program for C&I customers aims to help customers reduce their energy use when the grid is at peak demand..

The Company and its vendors help customers to identify strategies and technologies that will help customer to reduce their energy use at peak times. Through a competitive RFP process the Company has selected three approved curtailment service providers (CSPs) to guide customers through this process. Through another competitive RFP process, the company has procured a demand response management system (DRMS) to identify when the grid will be at peak, notify vendors and customers of peak events, and measure each customer's reduction in energy use during demand response events.

The program is set up to run in June, July, August, and September of each program year. The Company may call demand response events on any weekday (except holidays)

between the hours of 2-5pm. On average, three to five demand response events will be called every year. The company will not call more than seven events in a single year.

Customers and vendors are paid incentives paid for via the energy efficiency program budget based on their performance. The vendors and customers split the incentive amounts based on negotiations between the customers in the vendor. However, historically customers have always received the majority of the incentives paid.

- b. 32 customers were enrolled in the C&I Demand Response program for 2017. The breakdown of commercial and industrial customers is as follows:

Segment	# of Customers
Industrial	8
Grocery	6
Retail	5
School	5
Hotel	2
Municipal	2
Commercial	2
Restaurant	1
Hospital	1
Total	32

- c. A total of 6.7 MW of capacity was enrolled in the C&I demand response program in 2017. Please see the table below for the breakout of curtailment commitments by industry segment.

Segment	# of Customers	Curtailment Commitment (kW)
Industrial	8	3,430
Grocery	6	240
Retail	5	430
School	5	1,400
Hotel	2	125
Municipal	2	275
Commercial	2	400
Restaurant	1	75
Hospital	1	300
Total	32	6,675

- d. During the 2017 program year customers curtailed an average of 10.6 MW per demand response event.

e. 2017 program costs by major cost category are as follows:

Major Cost Category	Amount Spent in 2017
Program Planning and Administration/Marketing/Eval	\$12,750
Sales Technical Asst Training (STAT)	\$97,060
	\$109,810

f. The demand reductions attributable to this program are not included in the Company's baseline forecast of peak demand as 2017 was the first program year and the program is still in a demonstration phase.

In this Corrected response, the Company wishes to correct its answer to Division 5-40 subpart

(e). Corrected 2017 program costs by major cost category are as follows:

Major Cost Category	Amount Spent in 2017
Program Planning and Administration/Marketing/Eval	\$17,160
Sales Technical Asst Training (STAT)	\$19,985
	\$37,145

(This response is identical to the Company's response to Division 1-40 CORRECTED in Docket No. 4780.)