

6 May

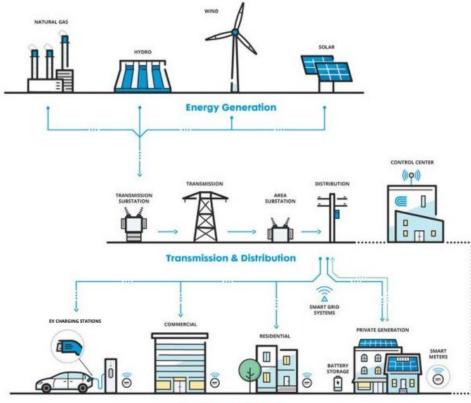
2025



Overview of Con Edison's Electric System

Con Edison's electric service territory includes both New York City and Westchester Country, covering 660 square miles and serving 3.6 million customers. Con Edison's grid is a delivery system that connects energy sources to customers.

Energy produced by generating sources is delivered via the Con Edison transmission system, which includes 430 circuit-miles of overhead transmission lines and the largest underground transmission system in the United States, with 749 circuit-miles of underground cable. The system also includes 39 transmission substations. The high-voltage transmission lines bring power from generating facilities to transmission substations, which supply substations, where the voltage is stepped down to distribution levels, as shown in the diagram below.



Powering Customers

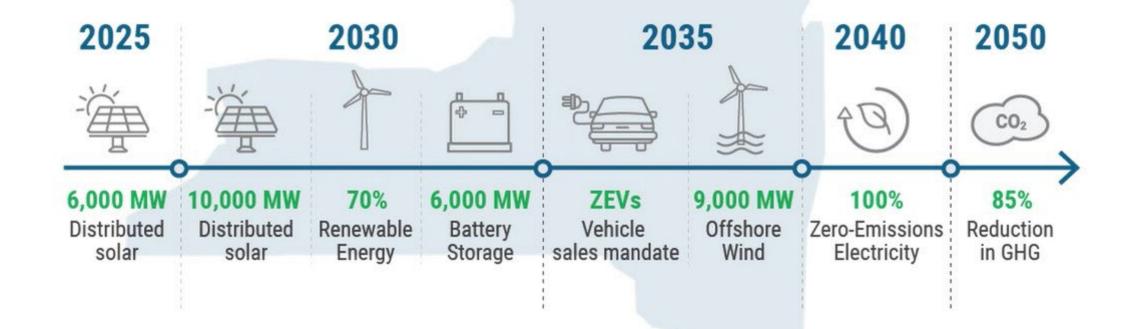
Con Edison has two different distribution systems—the non-network (*primarily overhead*) system and the network (*primarily underground*) system.





Con Edison Overview

Clean Energy Evolution NYS CLCPA Targets



Our Clean Energy Commitment

- O Key stakeholders in mind
 - Customers and communities we serve
 - O Partners in government and regulators
- O Five Pillars
 - 1. Build the Grid of the Future
 - 2. Empower our Customers to meet Climate Goals
 - 3. Reimagine the Gas System
 - 4. Lead by Reducing our Company's Carbon Footprint
 - 5. Partner with our Stakeholders



CLEAN ENERGY COMMITMENT

Pillar One: Build the Grid of the Future

1. Electric Grid Buildout to Support Load Growth

- Clean Energy Hubs to facilitate 6000 MWs of offshore wind
- New substations
- Local transmission (Reliable Clean City) projects

Electric Grid Climate Adaptation and Resiliency

- Undergrounding
- Underground and Overhead Reliability Projects
- Distribution Automation, Circuit Upgrades/ Exits/ Relocations
- Submersible Equipment
- Substation Hardening

3. Distributed Energy Resources

- New grid capabilities
- New technologies for distribution automation, and new tools and analytics for data access (e.g., IEDR)
- Programmatic focus to manage peak demand reduction

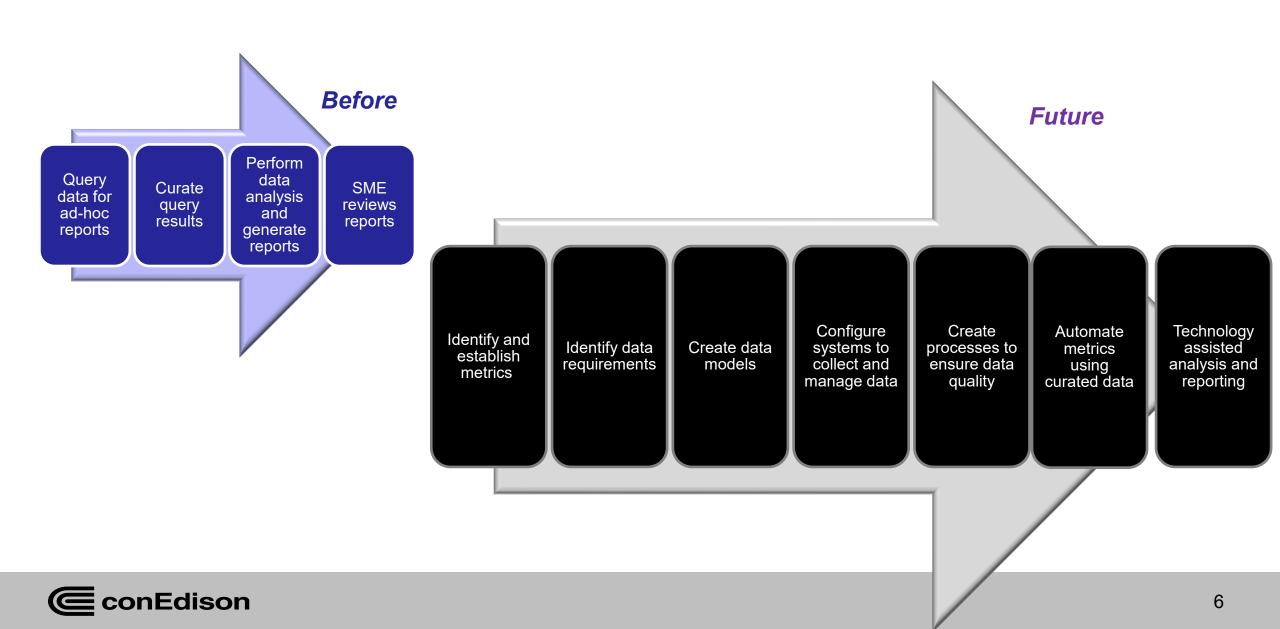
4. Utility-Owned Renewables

- Advocacy to allow utilities to develop, own, and operate renewable generation
- 5. Con Edison Transmission (CET)
- 6. Energy Storage
 - Large-Scale and Distributed-Battery Systems Deployment

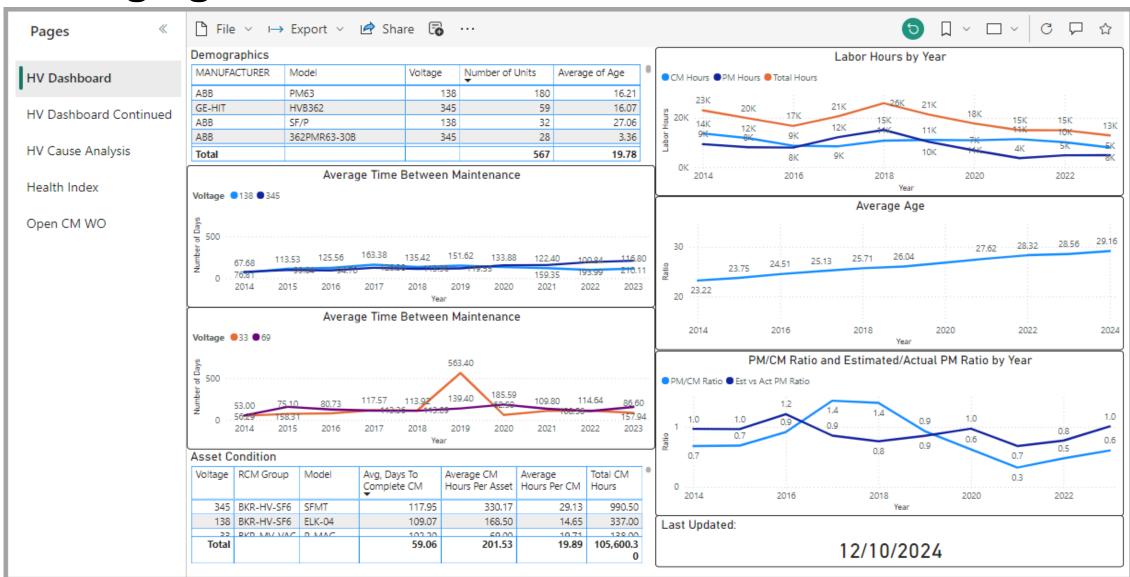


Build the Grid of the Future

Data Analysis Improvements to facilitate Grid of the Future



Leveraging Data: Asset Health Dashboards



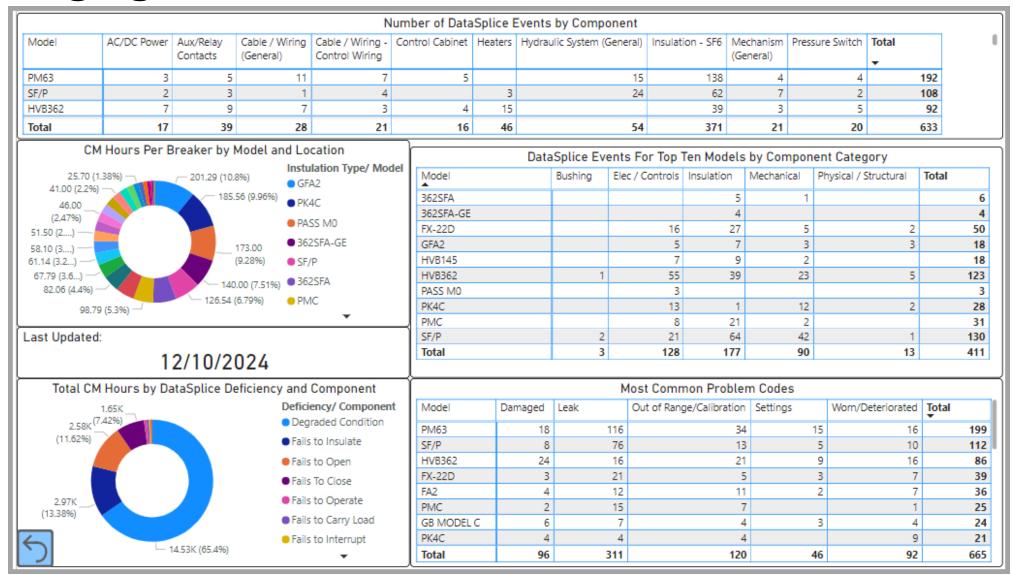


Leveraging Data: Asset Health Dashboards

						PM A	And CM	Hours by	Year Ar	d Model					
Year 2019				2020	2021				2022			2023		Total	
Model		urs	CM Hours	PM Hours	CM Hours	M Hours PM Hours		CM Hours	PM H	lours	CM Hours	PM Hours	CM Hours	PM Hours	CM Hours
PM63 ,7		761.50	2,350.00	2,151.0	1,325.50	4	476.00	2,276.	50	489.00	1,921.50	1,073.00	1,623.00	6,950.50	9,496.50
HVB362		177.00	1,567.00	1,845.0	1,985.50	1,1	121.50	.50 2,001.50		1,349.50	1,772.50	1,163.00	1,755.00	8,656.00	9,081.50
		327.00	478.50	94.0	0 608.50			1,115.	.00	443.50 1,333.50		528.00	1,646.50	1,592.50	5,182.00
		162.00	800.50	499.0	1,507.00			290.	.00	0.00	1,467.50	264.00	159.50	1,033.00	4,224.50
PK4C 872.0 Total 286.0						328.00 670.00	1,125. 11,374.		0.00 4,837.00	647.00 10,134.5 0			1,327.00 30,510.00	3,800.00	
								INICTALLDATI	5 A	Last Updated:					
MANUFACTURER		Model	Voltag	e ASSETNUM	LOCAI	LOCATION		INSTALLDATE	E Age			12/10/2024			
ITE KS				33 BKR-00032	06 S-FH-7	S-FH-76-BKR-11S		1/1/1961	63.00		<u> </u>		27107202	· 	
ITE KM				33 BKR-00032		-76-BKR-3S		1/1/1962	62.00	-	[Avera	ge CM Hours b	y Age	
		SP-38		33 BKR-00032				1/1/1962	62.00	-					
ITE		KM		33 BKR-00032			_	1/1/1965	59.00		100				
ITE		KM		33 BKR-00032				1/1/1965	59.00		<u> </u>				
DE		PK4C		15 BKR-00008		UC-696-BI	_	7/1/1973	51.00		Labor Hours	N			
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ITE		KB		33 BKR-00031				1/1/1973	51.00	-	1	$W \sim V$		~~~	:
ITE		KB		33 BKR-00031				1/1/1973	51.00	-	0	<u> </u>			<u>:</u>
ITF		KSB		33 BKR-00031				1/1/1973	51.00	-	0		20	4	40
Total		K 3D	77 (1833-1887		3-1 6-1	- I Kalilanika IV		1/1/13/1	52.59				AgeW0		
Mainten	ance Gr	oup Stats		•								СМ	Averages by Y	'ear	
Voltage	Mainten	Maintenance Group Ave		erage CM Hours Per Asset		Average Hours Per CM		Total CM Hours Tim Mai			Average Ho	urs Per CM Averag	e CM Hours Per Ass	et	
33	BKR-ITE-	KM		82.17		5.60		246.50		48.56					
	BKR-ABB- 362PMR63-30B		57.95			21.93		1,622.50		52.57	SINGH 40		/~		
33	33 BKR-ABB-R-MAG		69.00		19.71		138.00			55,40	20		:		
	BKR-DE-PK4C		677.33		30.79		2	2,032.00		66.64	- 20	:			
	BKR-ITE-KS		65.83		15.19			197.50		70.64					
Total			202.71		19.88		105.	002.30		141.14	2014	2016	2018 Year	2020	2022
													real		

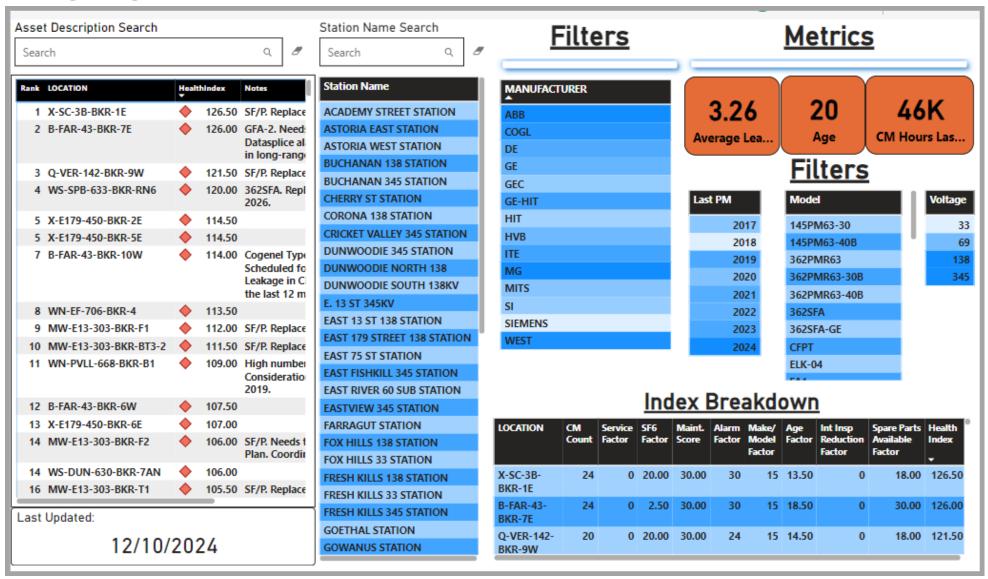


Leveraging Data: Asset Common Causes



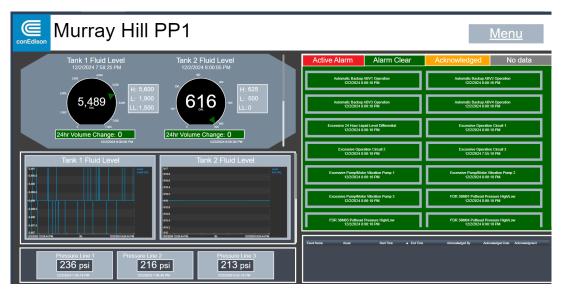


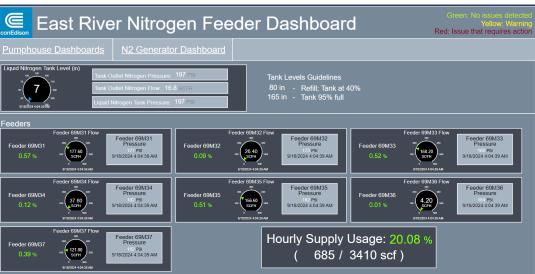
Leveraging Data: Asset Health Indexes



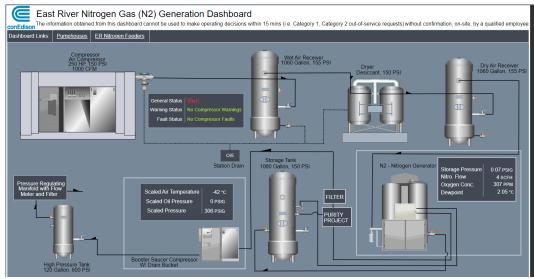


Dashboards - - Building Visibility











Implementing Innovations: Leveraging Machine Learning

Capital Portfolio Optimization

- Reduced Switching to complete Capital and O&M Work
- Efficiency attaining outages for Capital Work
- Reduction of Corrective Maintenance Backlog
- Incorporating a Value Framework for Capital Work
- Meeting our PSC commitment
- Identifying Capital Project bundling opportunities

