



June 25, 2020

Brewster Municipal Officials' Meeting

Agenda

- **Introductions**
- **Safety Moment**
- **Executive Update**
- **Brewster Division Overview**
- **Underground Projects**
- **Resiliency Projects**
- **Other Projects**
- **Outage Overview**
- **Vegetation Management**
- **Emergency Preparedness Update**
- **Questions**

Executive Update

Executive Update – 2020 Areas of Focus

Three Key Priorities:



COVID-19: the COVID-19 situation has changed the way we operate, but not our mission to serve customers. We continue to work as an essential industry and promote a culture of safety.



Rate Case: the company filed our joint proposal settlement agreement on June 22. The agreement balances the impacts of COVID-19 with the need to invest in our system.



Investing in System: the company continues to make investments in the reliability and resiliency of system to support us in our effort to provide customers with safe and reliable service.

Our goal is simple: to best serve our customers.

Executive Update – COVID-19

Company Response:



\$575,000: together NYSEG and RG&E have donated \$575,000 to local emergency response organizations. In total, AVANGRID has donated \$2.5 million across NY, CT and ME.



Food Resource: supported 23 local food resource organizations and donated to six community funds – including organizations in Dutchess, Putnam and Westchester counties.



17,700 N95 and Surgical Masks: donated 17,700 N95 and surgical masks to New York State to support the health care workers on the front lines.

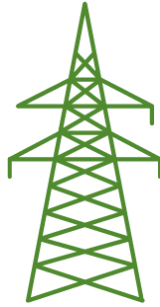
As a community, we're stronger together. Our efforts have touched 54 counties in NY.

Executive Update – Rate Case

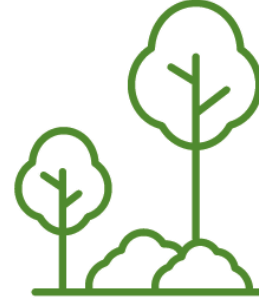
Rate Case Settlement Highlights:



COVID-19 Relief:
automatic \$100 bill credits for eligible residential and small business customers.
\$3M/yr electric economic development programs for small and large businesses.



Infrastructure Investments: \$550M for infrastructure improvements to replace aging equipment.
\$107M for storm resiliency programs to reduce frequency and duration of outages.



Vegetation Management: \$57.2M total annual budget for distribution tree trimming. \$17.2M to focus on areas where trees pose increased risk for outages. \$10M to address danger trees.

This settlement puts customers first and makes smart investments to improve the reliability and resilience of the system.

Executive Update – Rate Case

Rate Case Settlement Highlights:



Smart Meters (AMI): smart meter installation to begin in 2022. The company will also upgrade our billing systems to provide customers more granular data about their energy usage.



Increasing Workforce: adding new line works and additional field personnel across all regions of the service area, bolstering our local support for storm readiness and system emergencies.



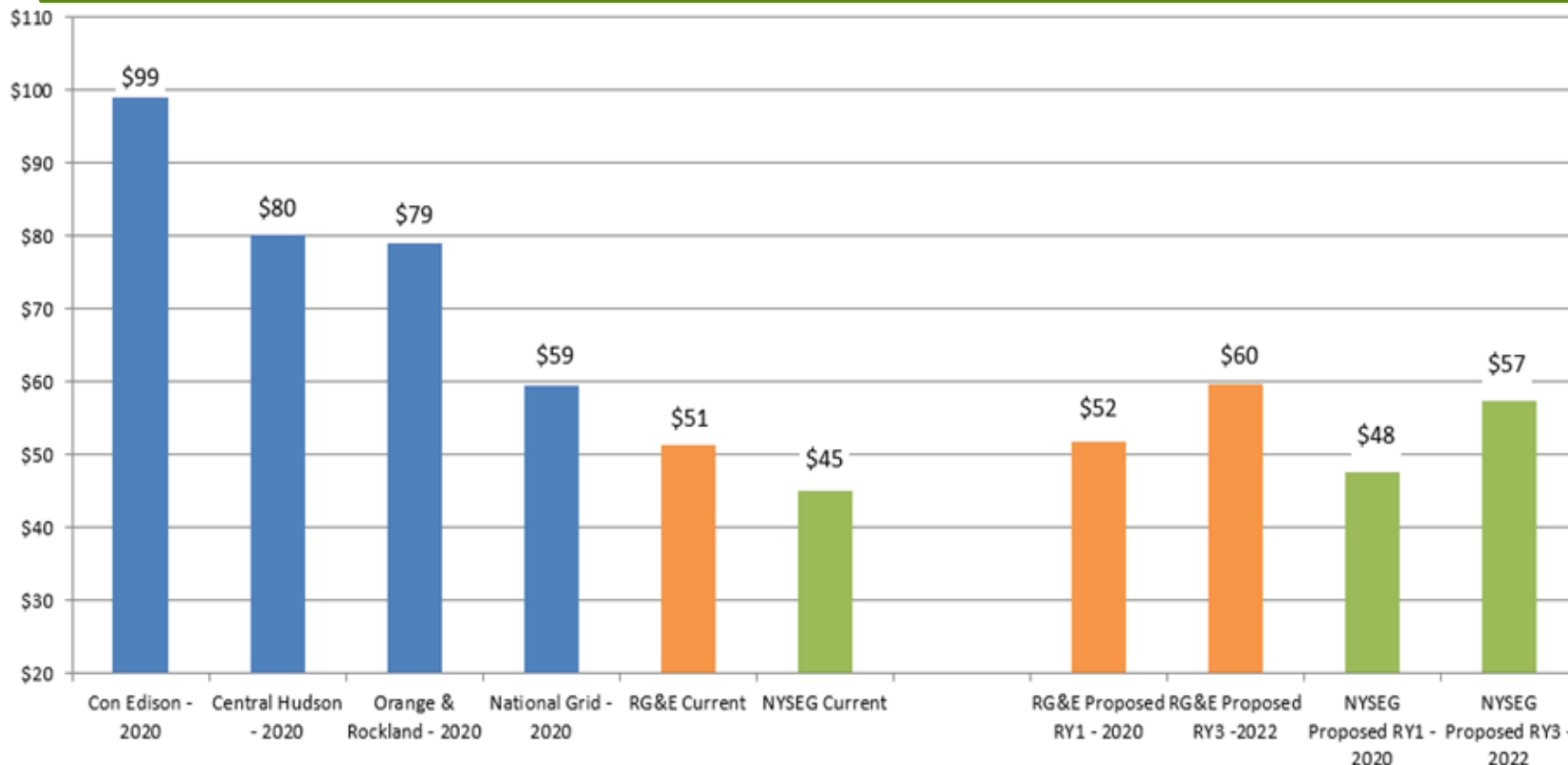
New York's Energy Future: committed to a zero-net increase in gas usage. No expansion of natural gas infrastructure. Expansion of EV infrastructure, heat pumps and other DER technology.

Harnessing the power of technology to improve the system and build more sustainable communities throughout the areas we serve.

Executive Update – Rate Case

Rate Case Settlement Impacts:

Average Delivery Bill – Typical Residential Customer using 600 kwh per month



NYSEG electric customers will continue to have the lowest utility bills in the state. The proposed agreement earned support of more than 20 parties.

Executive Update – Continued Expectations

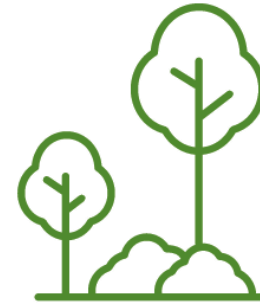
Company Expectations:



Resuming Work: we've started to resume work that was delayed due to COVID-19, starting with work that supports customer safety, reliability and quality of service.



Electrification and Infrastructure: we are continuing to support electrification of the system and make the planned investments expected in 2020.

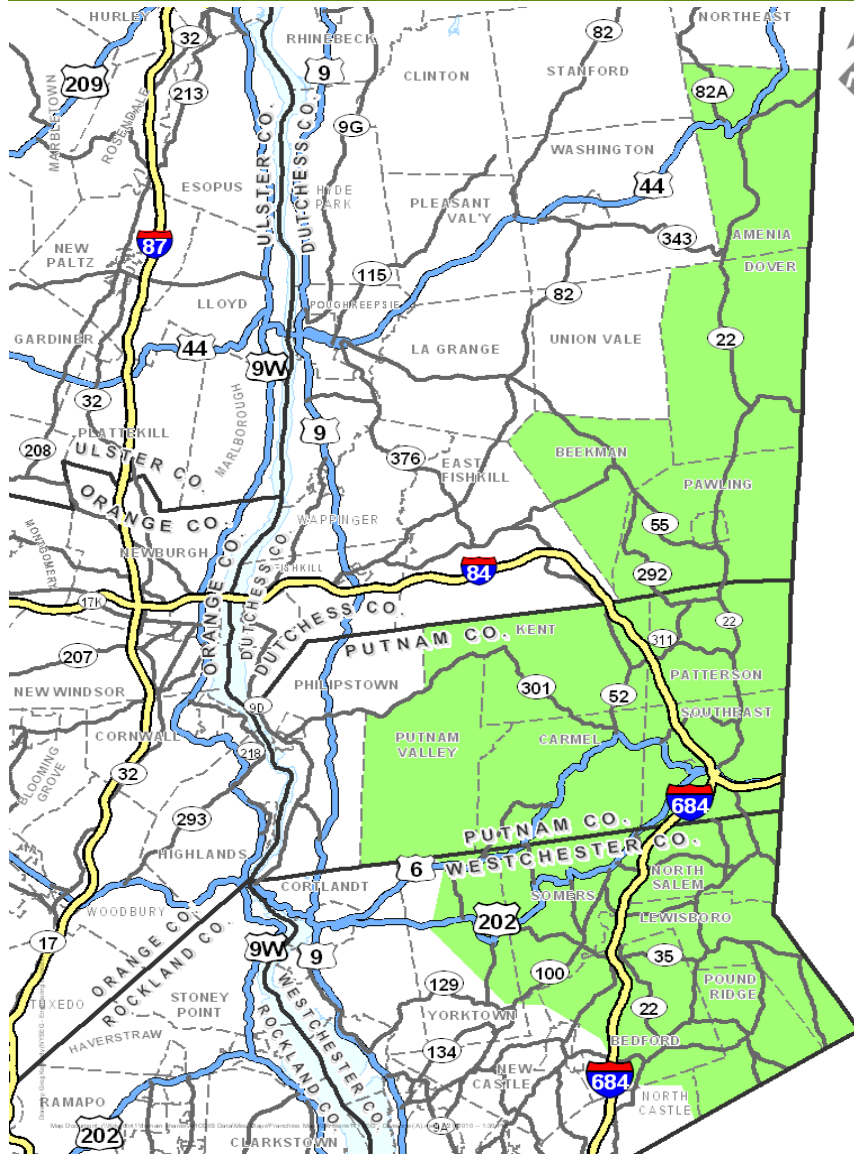


Vegetation Management: continue to provide more resources towards our vegetation management efforts with the goal of a continuous trim cycle.

We are deeply committed to providing safe, affordable and reliable service for New Yorkers, now and well into the future.

Division Overview

Brewster Division Overview



New York State Electric & Gas serves 890,000 electric and 264,000 natural gas customers across New York

The Brewster Division is 531 square miles and serves approximately 86,400 electric customers

The electrical system is comprised of:

- 32 substations;
15 transmission lines
- 95 distribution circuits;
2,399 circuit miles
- 1,630 overhead miles;
769 underground miles

Underground Projects

Underground Projects

Heritage Hills Project

- **Completing year 3 of 5 year project**
-

Wild Oaks Project

- **Engineering in 2020 with construction in spring 2021**
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Country Hill (Cherry Hill, Willington Drive Carmel)

- **Engineering in 2020 with construction in spring of 2021**
-

Scotts Corners (Pound Ridge)

- **Engineering in 2020 with construction in spring of 2021**
-

Resiliency Projects

Resiliency Projects

Where	What	Details	Status
Teakettle Spout Circuits 489/490	System Hardening and Automation	2.7 mi., 153 Poles, 14,500 feet of Conductor, 7 Switches	Construction to be completed July 2020
Croton Falls Circuits 514/516	System Hardening and Automation	3.4 mi., 171 Poles, 18,000 feet of Conductor, 8 Switches	Pole setting 95% complete; Construction to be completed Aug 2020
Golden Bridge Circuit 420	System Hardening and Automation	4.6 mi., 211 Poles, 24,000 feet of Conductor, 8 Switches	Construction to be completed Nov 2020
Pound Ridge 456	System Hardening and Automation	Engineering Ongoing	Engineering completion by Aug 2020; Construction start 2021
Crafts 422	System Hardening and Automation	Engineering Ongoing	Engineering completion by Aug 2020; Construction start 2021

Other Projects

Other Projects or Changes

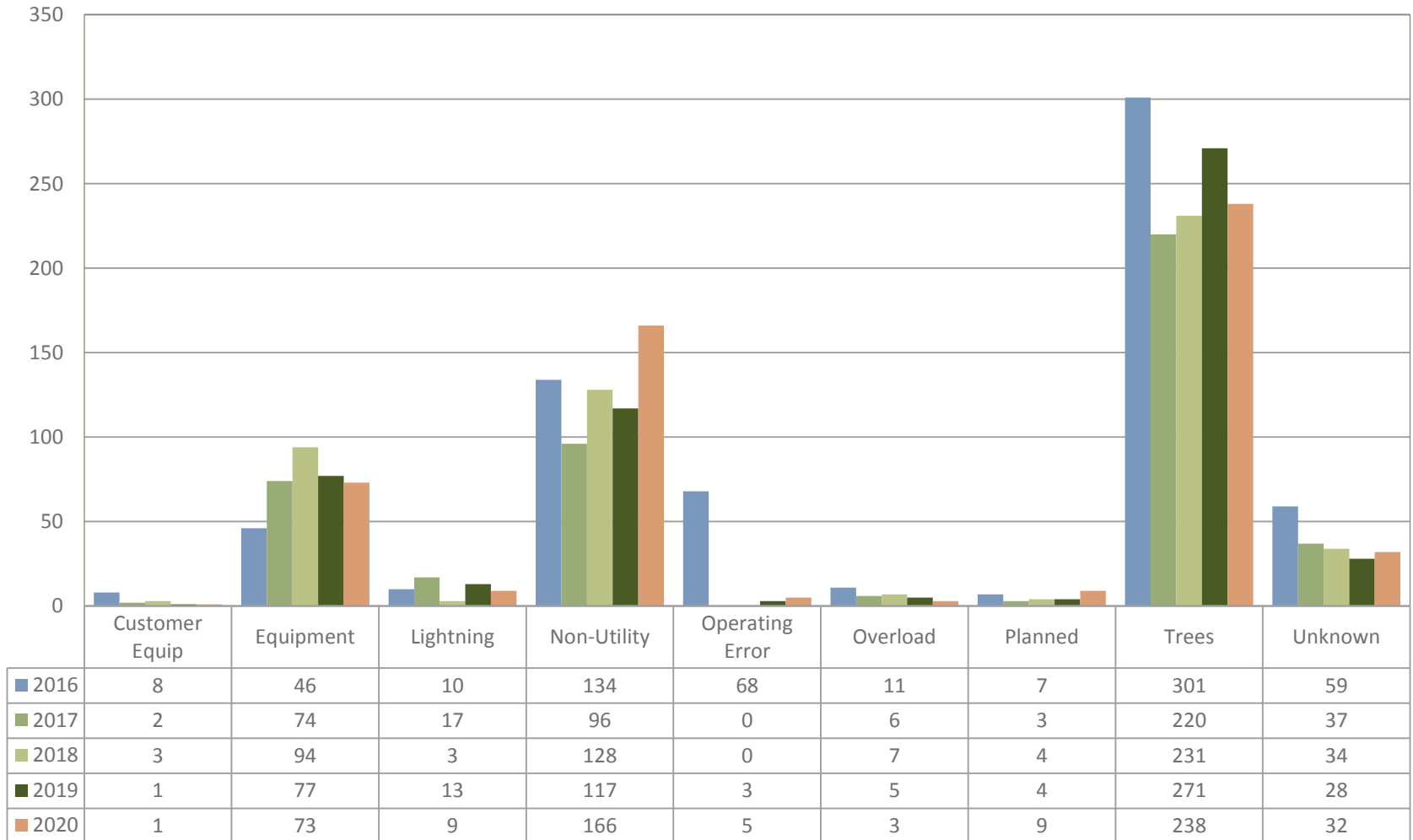
Where	What and When
Beekman Road	Pole relocation due to DOT Project and conversion to be completed by August 2020
Peekskill Hollow Road	DOT to widen Peekskill Hollow Road- Relocate and install storm hardened poles. Install new wire Project to start July 2020



Outage Overview

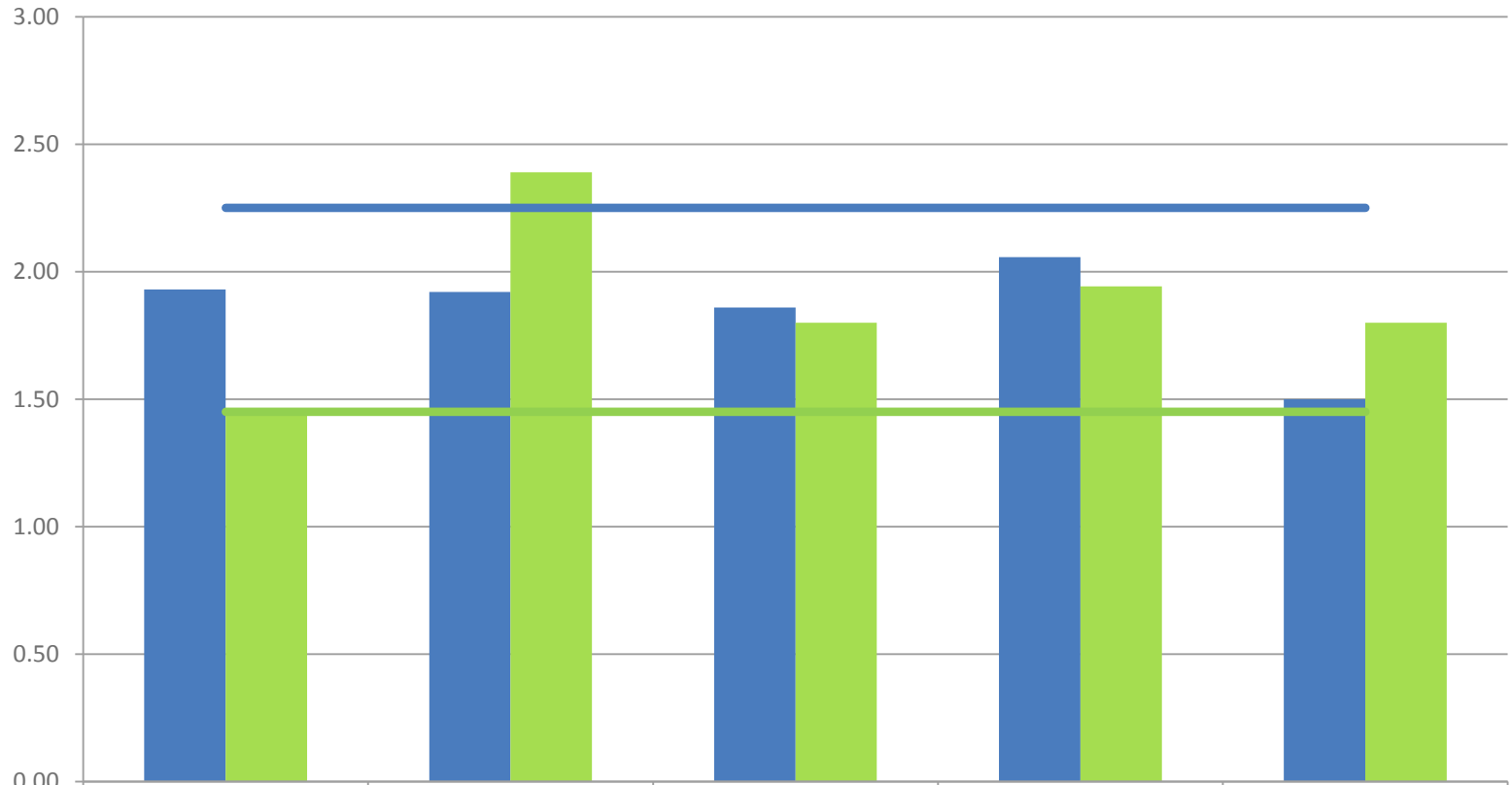
Outage Overview

Brewster Interruptions by Cause January 1st Through June 20th



Outage Overview

Brewster CAIDI & SAIFI (no storms)



	2015	2016	2017	2018	2019
CAIDI	1.93	1.92	1.86	2.06	1.50
SAIFI	1.45	2.39	1.80	1.94	1.80
CAIDI Goal	2.25	2.25	2.25	2.25	2.25
SAIFI Goal	1.45	1.45	1.45	1.45	1.45

Vegetation Management

5 Year Trim Cycle – Substation, Circuits – Mileage 1630

Year	2019	2020	2021	2022	2023
Miles	379	354	252	280	365
C i r c u i t	Adams Corner 412	Amawalk 449/451/454	Adams Corners 411	Cantitoe 282	Amenia 153
	Amenia 154	Bedford Hills 227	Adams Corners 413	CHU-Long MT Rd	Bedford Hills 462
	Bedford Hills 225	Cantitoe 283/498	Amawalk 453	CHU-Pleasant Ridge Rd	Crafts 424
		CHU-Chapman Rd			
	Bedford Hills 463	CHU-Long Hill Rd	Cantitoe 497	CHU-Separate Rd	Cross River 469
	Dingle Ridge 277	CHU-Sylvan Beach Rd	Carmel 501	CHU-White Pond Rd	Cross River 470
	Goldens Bridge 418	CHU-Tower Hill Rd	Carmel 502	Crafts 422	Goldens Bridge 417
	Haviland Hollow 426	Cross River 468	Carmel 503	Crafts 423	Goldens Bridge 420
	Mohansic 404	Croton Falls 515/516/517	Carmel 503	Crafts 423	Goldens Bridge 420
	Mohansic 405	Dingle Ridge 278	CHU-RT 301	Croton Falls 446	Goldens Bridge 421
	Mohansic 406	Golden Bridge 414	Croton Falls 514	Dover Plains 494	Kent 176
	Peach Lake 250	Harlem Valley 105	Pawling 166	Pawling 509	Kent 526
		Haviland Hollow 427	Pawling 508	Pound Ridge 456	Peach Lake 249
	Katonah 448/450/452				
	Sylvan Lake 478	Kent 175/Kent Cliffs 291/292	Pound Ridge 457	Putnam Lake 485	Putnam Lake 486
	Sylvan Lake 480	Monhansic 403	Tilly Foster 439	Tilly Foster 437/438/441/442	Sylvan Lake 481
		Pawling 165			
	Ten Mile River 443	Pound Ridge 455/458			Teakettle Spout 489
		Putnam Lake 484			
	Ten Mile River 444	Streetlight_11 STI			Union Valley 431/432/433
Mohansic 402/407					
West Patterson 474	Teakettle Spout 490/491			West Patterson 475	
	Tilly Foster 440				
	Wassaic 115				

5 Year Trim Cycle – County, Town

Dutchess County

2019	2020	2021	2022	2023
Amenia	Beekman	Dover	Dover	Amenia
Beekman	Dover	Pawling	Pawling	Beekman
Dover	Pawling			Dover

Putnam County

2019	2020	2021	2022	2023
Brewster	Kent	Brewster	Brewster	Carmel
Patterson	Mahopac	Carmel	Carmel	Kent
Putnam Valley	Patterson	Mahopac	Mahopac	Mahopac
Southeast	Putnam Valley	Putnam Valley	Putnam Valley	Patterson
			Southeast	

Westchester County

2019	2020	2021	2022	2023
Bedford	Bedford	Bedford	Bedford	Bedford
North Salem	Lewisboro	North Salem	Somers	Lewisboro
Somers	North Salem	Pound Ridge		North Salem
Yorktown	Pound Ridge	Somers		Pound Ridge
	Somers			Somers
	Yorktown			

2020 Vegetation Management - Distribution

Item – Circuit	County	Miles to Manage	Miles Complete	% Complete	Expected Completion Date
CANTITOE 283	Westchester County	19.15	18.0	94%	7/15/20
PUTNAM LAKE 484	Putnam County	25.52	21.0	82%	7/15/20
AMAWALK 454	Westchester County	9.58	-	0%	11/1/20
CHU-CHAPMAN RD	Dutchess County	0.37	0.4	100%	Complete
CHU-LONG HILL RD	Dutchess County	0.05	0.1	100%	Complete
CHU-SYLVAN BEACH	Dutchess County	0.33	0.3	100%	Complete
CHU-TOWER HILL RD	Dutchess County	2.05	2.1	100%	Complete
CROTON FALLS 517	Westchester County	0.28	-	0%	7/1/20
DINGLE RIDGE 278	Putnam County	7.39	7.4	100%	Complete
HARLEM VALLEY 105	Dutchess County	0.03	-	0%	7/1/20
KATONAH 448	Westchester County	0.09	-	0%	7/1/20
KATONAH 450	Westchester County	0.09	-	0%	7/1/20
KENT 175	Putnam County	16.85	-	0%	8/1/20
MOHANSIC 402	Westchester County	0.1	-	0%	7/1/20
PAWLING 165	Dutchess County	0.11	-	0%	7/1/20
TEAKETTLE SPOUT 491	Putnam County	12.26	-	0%	9/15/20
TILLY FOSTER 440	Putnam/Dutchess County	0.05	-	0%	7/1/20
WASSAIC 115	Putnam/Westchester County	0.09	-	0%	7/1/20

2020 Vegetation Management - Distribution

Item – Circuit	County	Miles to Manage	Miles Complete	% Complete	Expected Completion Date
AMAWALK 449	Westchester County	8.44	4.5	55%	8/1/20
AMAWALK 451	Westchester County	20.27	4	20%	8/15/20
BEDFORD HILLS 227	Westchester County	12.49	-	0%	11/1/20
CANTITOE 498	Westchester County	7.19	3.6	50%	7/21/20
CROSS RIVER 468	Westchester County	16.48	-	0%	12/15/20
CROTON FALLS 515	Putnam / Westchester County	23.47	-	0%	9/15/20
CROTON FALLS 516	Westchester County	12.50	-	0%	10/15/20
GOLDEN BRIDGE 414	Westchester County	27.31	-	0%	11/15/20
HAVILAND HOLLOW 427	Putnam County	14.91	-	0%	10/15/20
KATONAH 452	Westchester County	0.11	-	0%	7/1/20
KENT CLIFFS 291	Dutchess County	25.29	-	0%	12/15/20
KENT CLIFFS 292	Dutchess County	30.23	-	0%	12/15/20
MOHANSIC 403	Westchester County	7.85	-	0%	8/1/20
MOHANSIC 407	Westchester County	0.12	-	0%	8/1/20
POUND RIDGE 455	Westchester County	34.86	-	0%	8/1/20
POUND RIDGE 458	Westchester County	17.66	-	0%	10/15/20
TEAKETTLE SPOUT 490	Westchester County	0.84	-	0%	9/1/20

2020 Vegetation Management - Transmission

Item – Circuit	County	Miles to Manage	Miles Complete	% Complete	Expected Completion Date
806 Katonah to Bedford Hills	Westchester County	2.7 mi	-	0%	12/15/20
807 Whitehall Corners (NYS DOT 85 Rt 100 Katonah) to Bedford Hills	Westchester County	3.5 mi	-	0%	12/15/20
807/995 Whitehall Corners (NYS DOT 85 Rt 100 Katonah) to Katonah	Westchester County	2.2 mi	1.75	75%	9/1/20
814 Bedford Hills to Shaft 13 (Pole 121)	Westchester County	0.9 mi	-	0%	10/1/20
813 Haviland Hollow (Pole59) to Putnam Lake	Putnam County	2.6 mi	-	0%	12/15/20
813 Putnam Lake to Dingle Ridge	Putnam County	5.1 mi	-	0%	12/15/20
813 Dingle Ridge to Peach Lake	Putnam/ Westchester County	2.7 mi	-	0%	12/15/20
991 Croton Falls to Katonah	Putnam/ Westchester County	6.4 mi	3.2	50%	9/15/20

Emergency Preparedness

Emergency Preparedness and Electric Emergency Plan Updates

The number of trained Damage Assessors increased; new contracts signed

- Enhanced training on an annual basis
 - Functional exercises throughout the year
-

Wire Guards available to each Company Division have increased

- Company employees have completed Wire Guard training
 - Matrices have been developed to assure coverage balanced by the event characteristics
-

Estimated Time of Restoration protocols updated

- Actions defined by anticipated duration of an event > or < 48 hours
 - Includes activities such as pre-event calls, press releases, communications and outbound calls
-

Regional Meetings for Municipal and Elected Officials

- Three Webinar options available until in-person is possible
 - Review of the Plan and processes such as restoration and communications
-

Emergency Preparedness and COVID-19

Public Liaison Activities

- Maintain contact with County EOC Managers, NYS Regional Office of Emergency Mgmt.
- Virtual exercises and training
- Offsite and onsite EOC activation of Public Liaison Officers
- Contact with hospitals to confirm outage reporting process
- Protocol to flag medical and supply facilities during outages as priority for restoration

Operational Activities

- Circuit sweeps consistently conducted in areas with critical facilities
- Single person per vehicle; separate field office reporting
- Office enhanced cleaning; use of social distancing and work from home as appropriate
- Energy Control Center isolation; call center social distancing
- Pause of some customer-facing work

Emergency Preparedness and COVID-19

US and Canadian utilities continue to provide mutual assistance as essential workers. NYSEG has both provided and received resources. All respondents adhere to Electricity Subsector Coordinating Council (ESCC) Guidelines

- COVID-19 safety briefing is provided to all workers
- Workers housed in separate hotel rooms
- Meals are provided in a box lunch format
- Additional personal protective equipment is utilized
- Crews are provided wash stations and other supplies for vehicle cleaning and disinfecting
- Crews respect the social distancing and PPE requirements and strategize to accomplish restoration while working safely



Questions?