

Gen Model Tool – Upcoming Changes

Ashwini Bhat

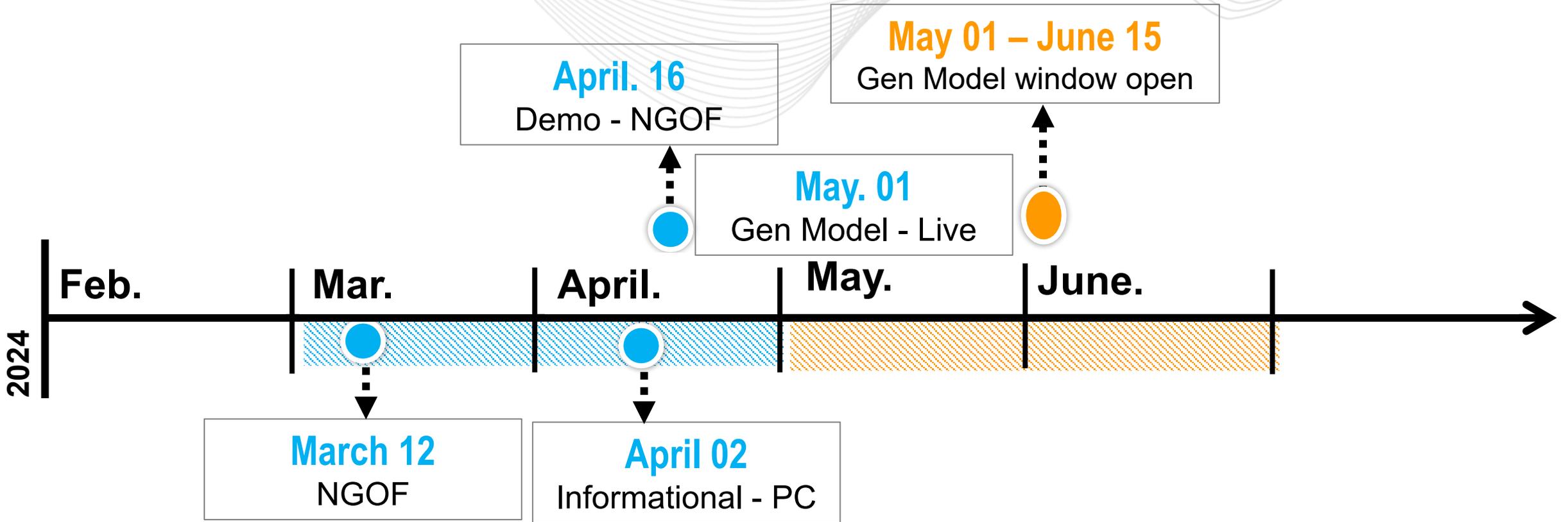
System Planning Modeling & Support

Planning Committee

April 2nd, 2024

- Gen Model is an application that allows users to submit generator data for model builds on the planning horizon in order to support NERC MOD-032, TPL-007, and PRC-024 compliance.
- The Gen Model tool is undergoing enhancements to streamline the process and to provide a better user experience
- In the new paradigm, the Generator Owners(GOs) can view and verify data that PJM has on file for accuracy versus entering separately
- If the data aligns, GOs can click on the ‘Certify’ button to complete the submission for each Generator form

Action Required	Deadline	Who May Be Affected
<p>Informational and Educational – no action required</p> 	<p>None</p> 	<p>Generator Owners who fall under the criteria of NERC MOD - 032 standard to submit data in Gen Model</p> 



- If the presented data in Gen Model for the GOs Plant/generator will need a change, they can click on ‘Request data change’
- This allows GOs to enter the data and upload file/s to justify the data change request
- An automated email notification will be sent to MOD-032 group notifying the change request by GOs
- All dynamic data change request will need to go through MOD-026/27 process

- A ticket number generated through MOD-026/27 process must be entered in Gen Model after requesting for data change through MOD-026/27 (this will complete the submission process for Dynamics data)
- Data export feature is available
- Visibility to uploaded files by GOs

- The user can request a data change but selecting the second radio button and clicking the “Request Data Change” button. In that case, the user must also enter comments and optionally upload a supporting document

Certification of Accuracy

Please confirm that the information provided is accurate and complete. In instances of inaccurate or incomplete data, you may request a data change. Your selection below will confirm your data is accurate and complete or a change is needed.

- I have reviewed the information and certify the data.
- I request a data change.

Comments *

Explanation of why the data change is needed

Supporting Documents

Supporting Document

+ Upload File

03/08/2024

Gen Model - New Process - ReqDoc_Draft (1).docx



Certify

Request Data Change

Synchronous Generator

[Back](#)

General Information	Review your data for completeness and accuracy																																														
Synchronous Generator	Last Update:03/08/2024																																														
Attachment Line Data	Synchronous Generator		Step-Up Transformer																																												
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For each machine, there will be a panel displaying dynamic data with each model on a separate tab

- General Information
- Synchronous Generator
- Attachment Line Data
- Maximum Facility Output
- Dynamic Data**
- Review

Review your data for completeness and accuracy
Last Update: 03/08/2024

Machine 1 on bus 315201

IDV DYR Source: mmwg 2019sum
Dynamics: p16(2022sum)(eia6167).dyr

GENSAL
PSS2A
ESST1A
WEHGOV

Type	Name	Description
<input checked="" type="checkbox"/> ICON		
ICON	1	UEL (1; 2; or 3)
ICON	1	VOS (1 or 2)
<input checked="" type="checkbox"/> CON		
CON	0.10000E-01	TR (s)
CON	999.00	VIMAX
CON	-999.00	VIMIN
CON	1.0000	TC (s)
CON	1.6670	TB (s)
CON	0.0000	TC1 (s)
CON	0.0000	TB1 (s)
CON	250.00	KA
CON	0.0000	TA (s)
CON	5.1700	VAMAX
CON	-4.6400	VAMIN
CON	5.1700	VRMAX
CON	-4.6400	VRMIN
CON	0.64000E-01	KC
CON	0.0000	KF
CON	1.0000	TF > 0 (s)
CON	1.0000	KLR
CON	2.6700	ILR

> Machine 2 on bus 315202

> Machine 3 on bus 315203

> Machine 4 on bus 315204

> Machine 5 on bus 315205

> Machine 6 on bus 315206

- When requesting dynamic data change, a ticket number and comments are required

- I have reviewed the information and certify the data.
- I request a data change.

Changes to this data must be submitted through the MOD 026/027 process by entering a ticket. Enter the confirmation number below:

MOD-026/027 Confirmation Ticket Number *

Comments *

Certify

Request Data Change

- Sample Review Page

Review

[Back Submissions](#)

General Information	<div style="background-color: #4CAF50; color: white; padding: 5px; border-radius: 5px;"> i All data must be reviewed before submitting. Please Certify or Request Data Change for the following forms: Maximum Facility Output </div>		
Wind Farm			
Attachment Line Data			
Maximum Facility Output			
Circuit Breaker			
Main Transformer			
Dynamic Data			
Review			

Form	Form Status	Action
General Information	Data Change Requested	✓
Wind Farm	Data Change Requested	✓
Attachment Line Data	Data Change Requested	✓
Maximum Facility Output	Not Started	✎
Circuit Breaker	Data Change Requested	✓
Main Transformer	Data Change Requested	✓
Dynamic Data	Certified	✓

1	2	3
<ul style="list-style-type: none">• [Gen model tool changes and enhancements are expected to go live into production on May 01, 2024]	<ul style="list-style-type: none">• [PJM- IT Demonstration at Nuclear Generator Owners Forum (NGOF) on April 16,2024]	<ul style="list-style-type: none">• [Refer contact slide # 14 to reach out for any questions or concerns related to the Gen Model tool]

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Gen Model Tool – Upcoming
Changes



Member Hotline

(610) 666 – 8980

(866) 400 – 8980

custsvc@pjm.com

**PROTECT THE
POWER GRID**
**THINK BEFORE
YOU CLICK!**



Be alert to
malicious
phishing emails.

Report suspicious email activity to PJM.
(610) 666-2244 / it_ops_ctr_shift@pjm.com

