Rule 21 Working Group 3 Issue 12 – Timelines Proposal Outline

January 7, 2019

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smart local energy

Proposal Summary

1. Establish timeline for NGOM installation
2. Report timeline data
3. Increased notification of timeline exceedences
4. Consideration of penalties

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NGOM Timeline

- Utility must issue agreement and invoice within 20 business days of receiving a signed interconnection agreement
- Utility must install NGOM within 20 business days after invoice is paid and documentation is provided that customer work is completed

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Data Reporting

- Frequency – Monthly? Quarterly?
  - Line up with existing quarterly reports?
- Summaries/Averages/Categories or database of anonymized records?
  - Massachusetts example
- Can any info be produced retroactively?
  - What data is being systematically compiled today?

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Massachusetts Interconnection Data

Aggregated DOER Report 12-31-2018.xlsx

DG Interconnection Tracking and Reporting Template

Utility Timelines

Reporting Period: from 1/1/2009 to 12/13/2018

Date Filed: 12/14/2018

			Application and Site Information								Application Receipt
	Company Name	City/Town	Facility ID (if any)	ZIP Code	Design Capacity (kW)	Fuel Type (Solar, Wind, etc)	Circuit Name	Date Application Received	Date Application Deemed Complete	Total Time Lapsed (Workdays) calculated value	Customer Time Lapsed (Workdays) enter workda by Customer
10	National Grid	South Easton	MA-000727	02375	250	NATURAL GAS	07-92W54	1/20/2009	1/26/2009	4	
11	National Grid	Marlborough	MA-000738	01752	75	NATURAL GAS	05-311W1	1/22/2009	1/27/2009	3	
12	National Grid	Everett	MA-000747	02148	75	SOLAR	12-8J1	2/5/2009	2/18/2009	9	
13	National Grid	Worcester	MA-000749	01602	100	SOLAR	01-HT40	2/6/2009	2/10/2009	2	
14	National Grid	Rehoboth	MA-000748	02769	15	SOLAR	05-7L4	2/9/2009	6/5/2009	84	
15	National Grid	Cohasset	MA-000750	02360	1650	WIND	07-915W36	2/13/2009	2/13/2009		
16	National Grid	Westport	MA-000763	02790	35	SOLAR	05-115W52	3/20/2009	3/24/2009	2	
17	National Grid	Mendon	MA-000761	01756	12	SOLAR	05-321W6	3/23/2009	4/1/2009	7	
18	National Grid	Lynn	MA-000766	01901	75	SOLAR	12-1394	4/6/2009	4/14/2009	6	
19	National Grid	Tewksbury	MA-000774	01876	30	SOLAR	14-14L2	4/10/2009	4/15/2009	3	
20	National Grid	Tewksbury	MA-000775	01876	95	SOLAR	14-70L1	4/13/2009	4/15/2009	2	
21	National Grid	Gardner	MA-000783	01440	95	SOLAR	01-601W3	4/22/2009	4/23/2009	1	
22	National Grid	Westminster	MA-000784	01473	6000	SOLAR	01-609W1	4/27/2009	4/27/2009		
23	National Grid	Hubbardston	MA-000790	01452	4250	SOLAR	01-602W2	5/4/2009	5/5/2009	1	
24	National Grid	Newburyport	MA-000788	01950	30	SOLAR	14-60L1	5/4/2009	5/4/2009		
25	National Grid	Newburyport	MA-000797	01950	95	SOLAR	14-36L2	5/7/2009	5/8/2009	1	
26	National Grid	Newburyport	MA-000796	01950	392	SOLAR	14-36L2	5/7/2009	5/8/2009	1	
27	National Grid	ATHOL	13343565	01331	230	Hydro	09-702W3	5/8/2009	6/18/2009	28	
28	National Grid	Everett	MA-000802	02149	30	SOLAR	12-10P3	5/13/2009	5/14/2009	1	
29	National Grid	Franklin	MA-000806	02038	325	Biofuel	05-344W6	5/15/2009	6/8/2009	16	
30	National Grid	Lynn	MA-000805	01905	325	Biofuel	12-21J29	5/15/2009	5/27/2009	8	
31	National Grid	Attleboro	MA-000818	02703	34	SOLAR	05-2J2	5/21/2009	6/1/2009	7	
32	National Grid	Amesbury	MA-000822	01913	23	SOLAR	14-5J11	6/1/2009	6/4/2009	3	
33	National Grid	Gardner	MA-000824	01140	1620	LANDFILL GAS	01-601W1	6/3/2009	6/4/2009	1	
34	National Grid	Leominster	MA-000828	01453	5750	SOLAR	01-219W1	6/8/2009	6/25/2009	13	
35	National Grid	Sutton/Northbridge	MA-000848	01588	1000	SOLAR	01-320W5	6/12/2009	10/5/2009	81	
36	National Grid	Everett	MA-000846	02149	500	SOLAR	12-10J6	6/12/2009	9/1/2009	57	
37	National Grid	Revere	MA-000842	02151	1000	SOLAR	12-7W4	6/12/2009	9/30/2009	78	
38	National Grid	Haverhill	MA-000847	01832	1000	SOLAR	14-48L2	6/12/2009	9/1/2009	57	
39	[redacted]mont		MA-000843	01339	900	WIND	09-1019W1	6/17/2009	6/22/2009	3	

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Potential Metrics – Example 1

Interconnection Steps		Fast-Track (No Mitigations)	Supplemental (No Mitigations)	Supplemental (Mitigations (No Substation Mitigations)	Detailed Study (Mitigations (No Substation Mitigations)
Submit Application					
10	Invoice for Application Fee	10	10	10	10
10	Application Fee Processing	10	10	10	10
10	*Utility Deficiency Notification	10	10	10	10
5	*Installer Revises Deficiency	5	5	5	5
Engineering Review					
15	*Initial Review	15	15	15	-
20	*Supplemental Review	-	20	20	-
10	*Supplemental Results Meeting	-	10	10	
20	*Electrical Independence Test	-	-	-	20
60	*System Impact Study	-	-	-	60
10	*DIS Results Meeting	-	-	-	10
Interconnection Agreement					
0	*Non Binding Costs Provided	-	-	0	0
0	*Final IA (79-978-02) Completed	-	-	0	0
Design					
10	Enginering Advance Invoice Provided	-	-	10	10
10	Engineering Advance Payment Processed	-	-	10	10
100	Design Completed	-	-	100	100
10	Special Facilities Agreement/Rule 16 Contract	-	-	10	10
10	Total Utility Costs Paid	-	-	10	10
15	Underground Inspections Concluded	-	-	15	15
Utility Construction					
40	Utility Construction Completed	-	-	40	40
Commissioning					
1	Request Commissioning	1	1	1	1
10	Schedule Commissioning	10	10	10	10
5	*Utility Issues PTO	5	5	5	5
	TOTAL	66	96	291	336

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Potential Metrics – Example 2

- Intake Acknowledgement
- IR Deemed Complete
- Fastrack Process
- Detailed Study Process
- Contract Execution
- Project Design
- Project Construction
- Permission to Operate

Potential Metrics – Example 3

- Completeness Review
- Land Review (if NEMA)
- Initial Review
- Variance Review for disconnect or line side tap
- Number of resubmittals and why
- Interconnection Facility Upgrades (Rule 2) — NGOM Meters: Meter engineering; Field engineering; Service planning; Invoicing and admin
- Transformer Upgrades — High/Medium/Low Voltage
- Distribution Upgrades: (Rule 15) — Line Reclosures, etc…
- Network Upgrades (Rule 16) — Substation Work; Reconductoring
- Design Timeline — From Date of CAD File/Spec Sheet Submittal to Date of Completed Design
- Construction Timeline — From Date of Clearance for Construction to Date of Interconnection Facility Construction
- Special Facility Agreements — From Date of Engineering Results or Design Completion

Notification

- Two lines of manual entry
  - Cause for delay
  - New expected completion date
- Notification steps for NGOM
  - NGOM Installation – Meter Engineering Queue
  - NGOM Installation – Pending Local Planner Process (current)
  - NGOM Installation – Invoice Released; Pending Payment
  - NGOM Installation – Payment Received; Pending AHJ Release
  - NGOM Installation – Payment Received; Pending MSR Creation
  - NGOM Installation – Meter Request Released - Pending Installation (current)
  - NGOM Installation Complete – Pending SCE Engineer Review (current)
- Design and construction
  - 60 business days for each, consistent with Issue 10 proposal

Enforcement Mechanism

- Option 1: Set date for consideration of penalty structure after evaluation of data
- Option 2: Utilities need to demonstrate their interconnection performance was adequate to achieve full cost recovery in GRCs

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