



Illinois Adjustable Block Program Lottery

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April 10th, 2019

Agenda

- Process/Timeline
- Lottery Rules
- Technical Description
- Process Explanation
- Next Steps

Process/Timeline

A Short History

- Dec 7, 2016 – Public Act 99-0906 (“P.A. 99-0906”) Enacted
- Jun 1, 2017 – Effective date of Public Act 99-0906
- Sep 29, 2017 - Draft Long-Term Renewable Resource Plan Released (“Plan”)
- Dec 4, 2017 – Plan filed with the Illinois Commerce Commission (“Commission”)
- April 3, 2018 – Commission enters Order approving Plan
- May 2, 2018 –Commission issuing an Amendatory Order in response to an IPA Motion for Clarification on May 2, 2018

Process/Timeline

A Short History

- August, 2018- Illinoisabp.com website launched
- September 2018 – Stakeholder process began. Separate stakeholder processes run for the Lottery Procedure, Approved Vendor Registration Requirements, Distributed Generation Marketing Guidelines and Consumer Protection Disclosure Form, Community Solar Marketing Guidelines and Consumer Protection Disclosure Forms, Program Guidebook, and REC Contract.
- November 1, 2018 – Approved Vendor registrations began.
- Dec 27, 2018 – DG disclosure forms available on application portal
- Jan 30, 2019 – Portal opened for applications
- Feb 13, 2019 – Deadline for projects to be considered for the lottery
- Feb 13 – March 26 – Program Administrator reviewed applications with rolling 2 week cure period for any discrepancies noted
- April 10, 2019 – Lottery held

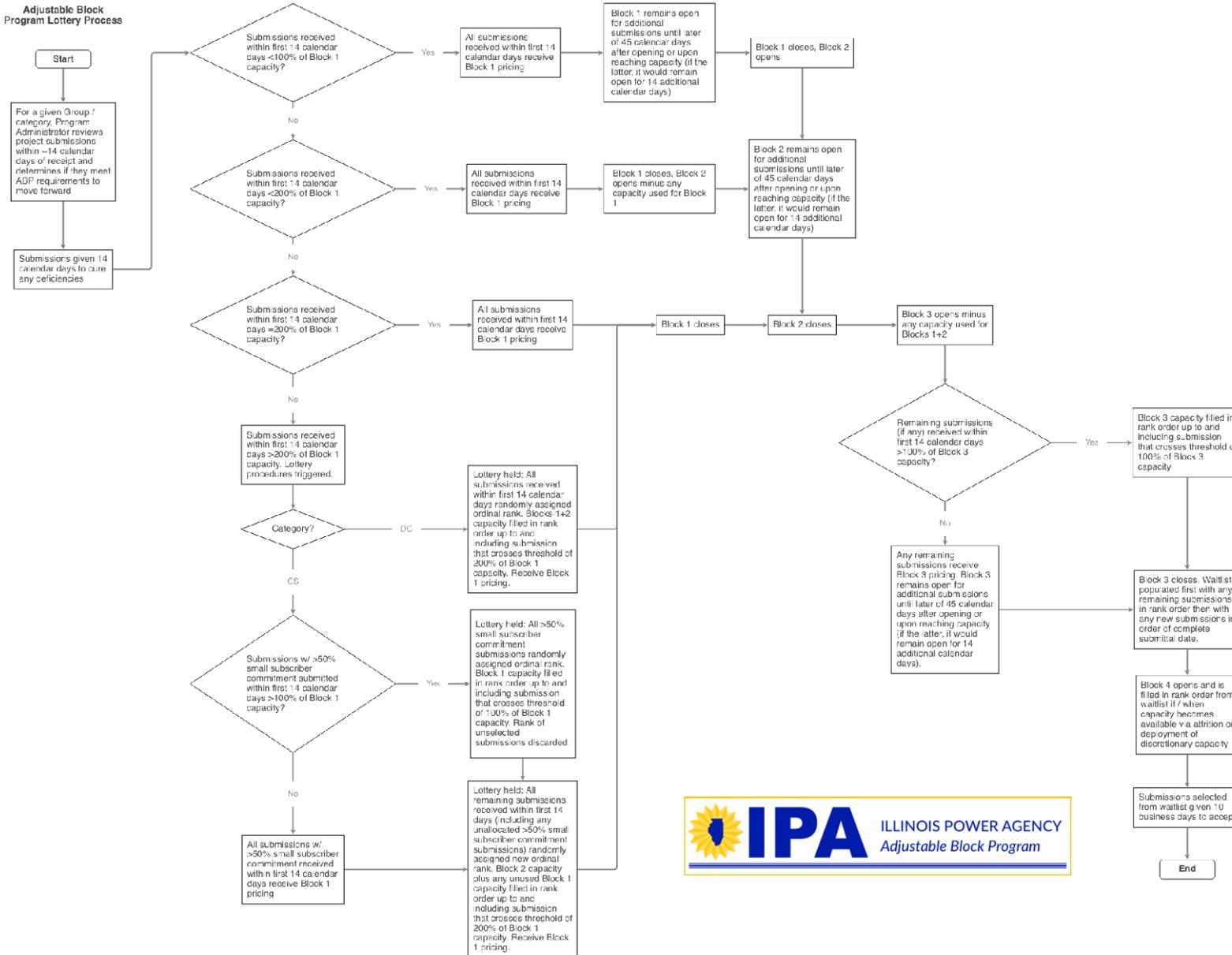
Process/Timeline

Why a lottery?

- More initial applications than available capacity
- Required by Plan as approved by the Commission
- Shaped by extensive stakeholder process
 - Incorporates interconnection queue issues but no perfect solution
 - Attempts to use lessons learned from other states for fairest solution that minimizes gaming

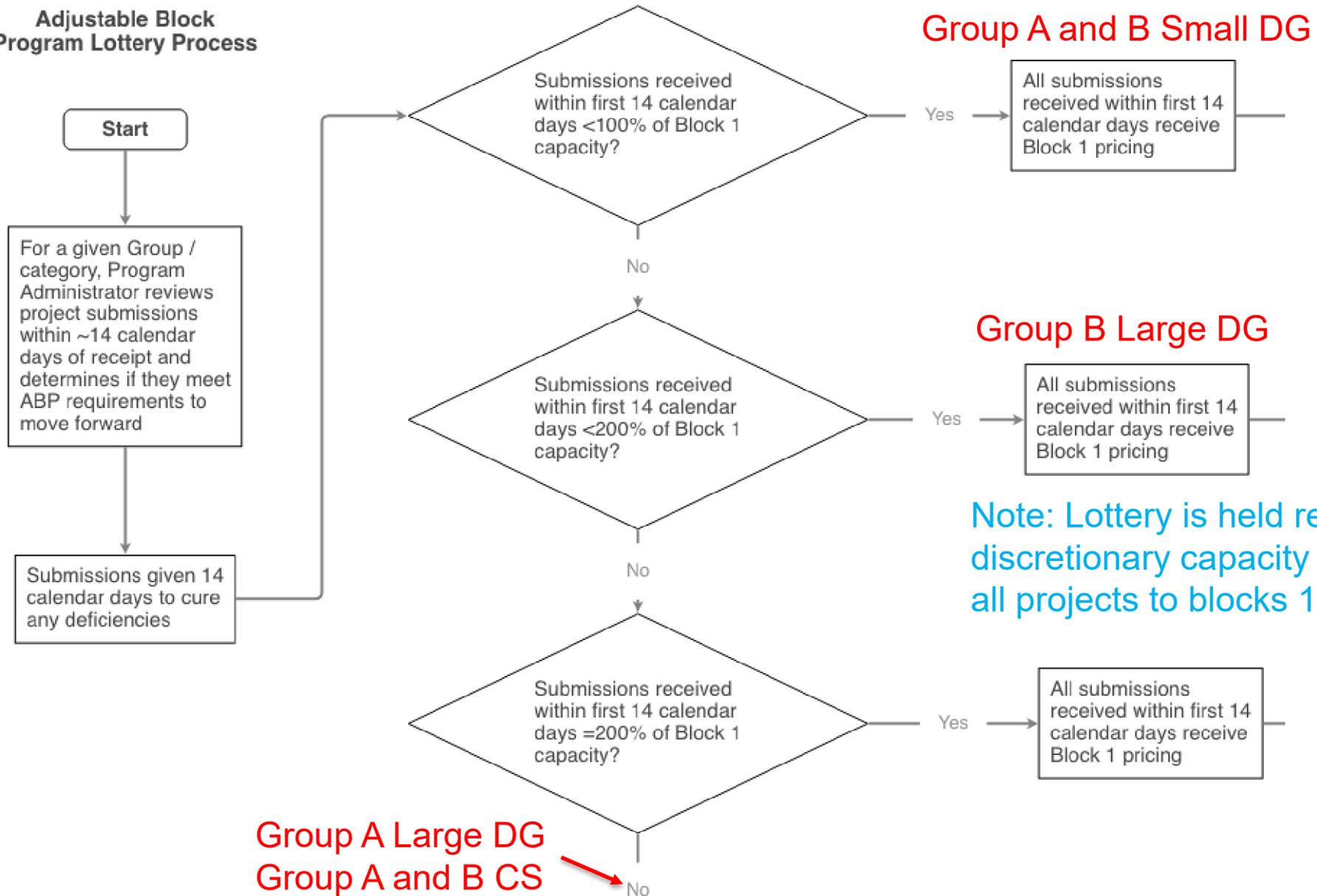
Lottery Procedure

Adjustable Block Program Lottery Process



Lottery Procedure

Adjustable Block Program Lottery Process



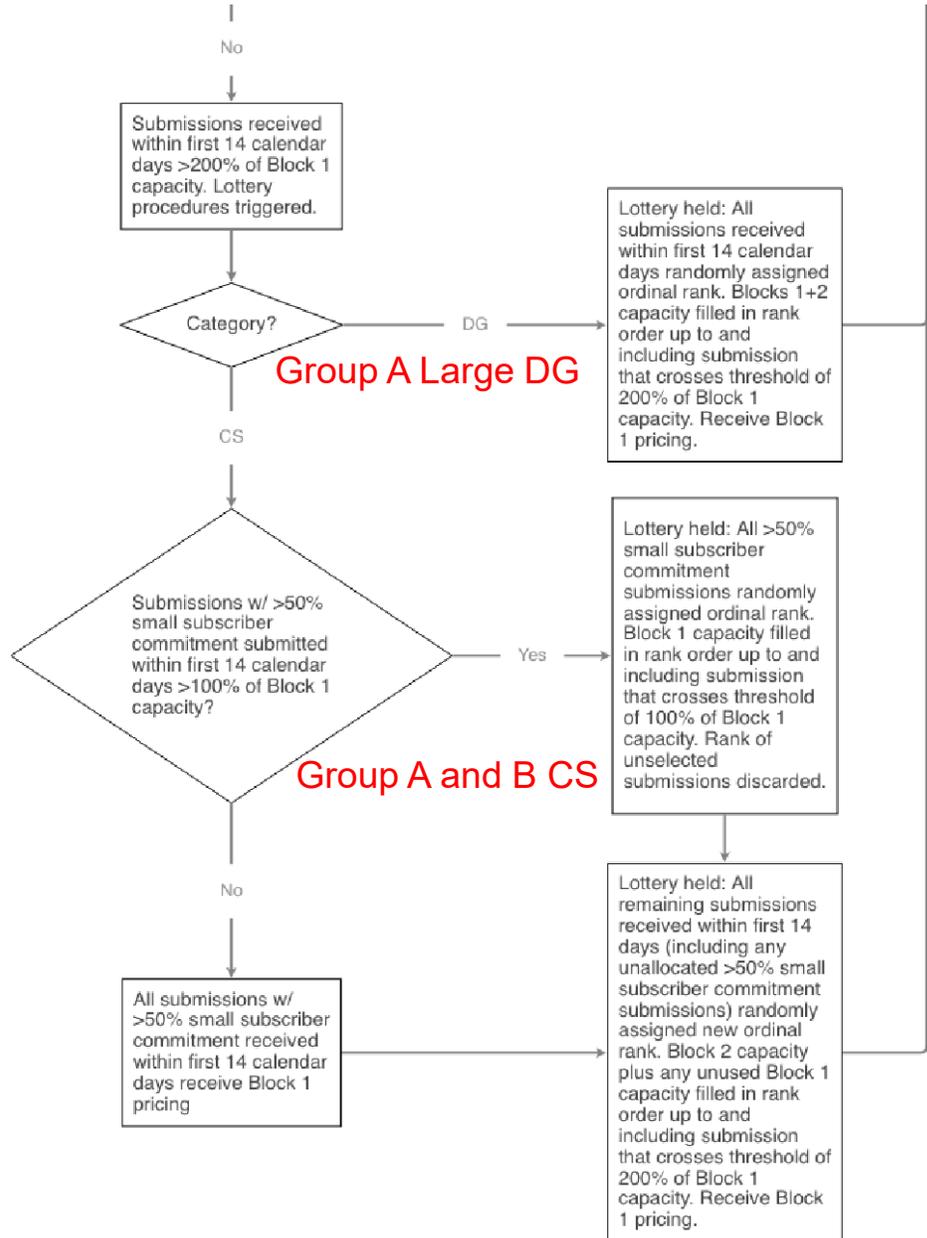
Group A and B Small DG

Group B Large DG

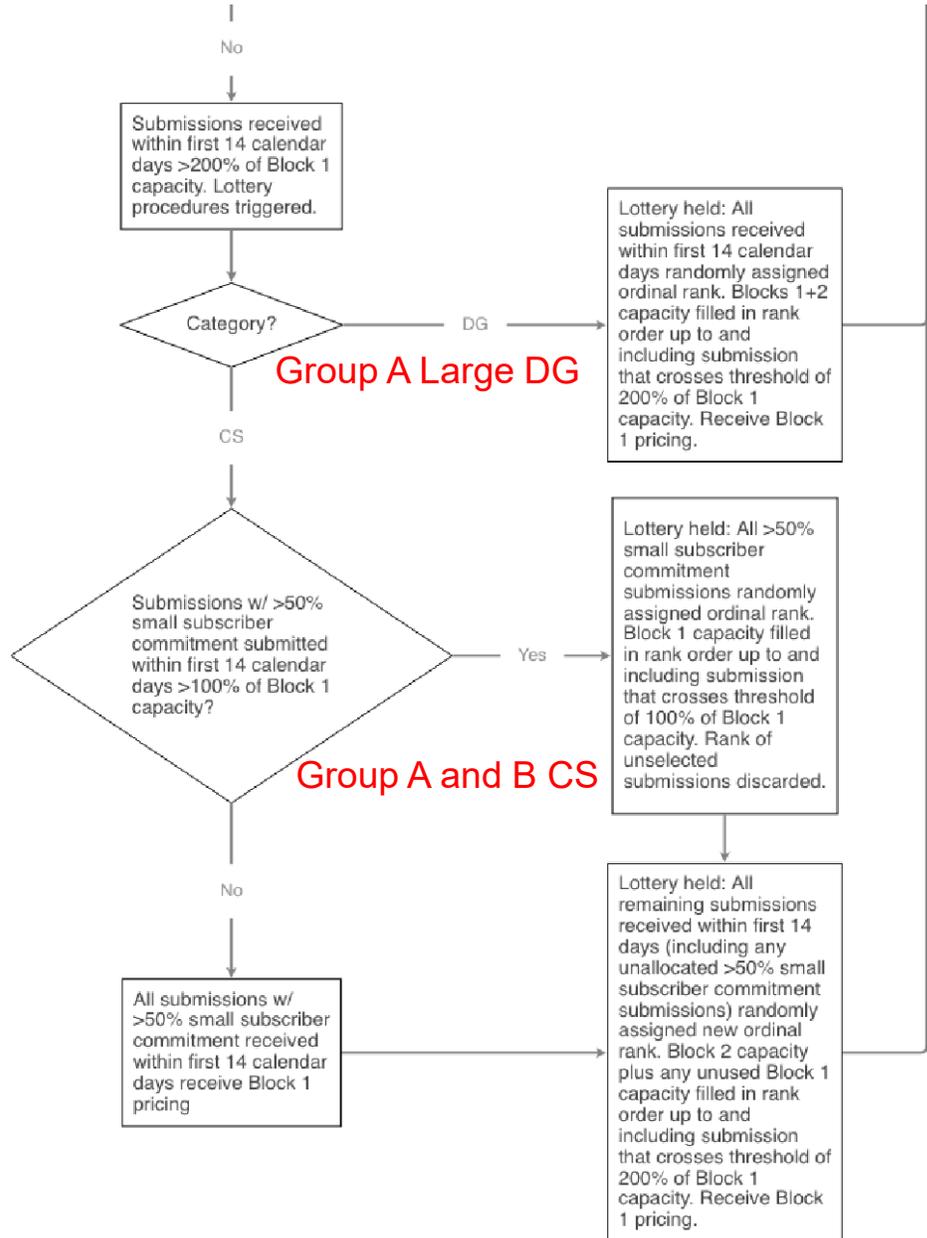
Note: Lottery is held regardless of discretionary capacity to assign all projects to blocks 1-4

Group A Large DG
Group A and B CS

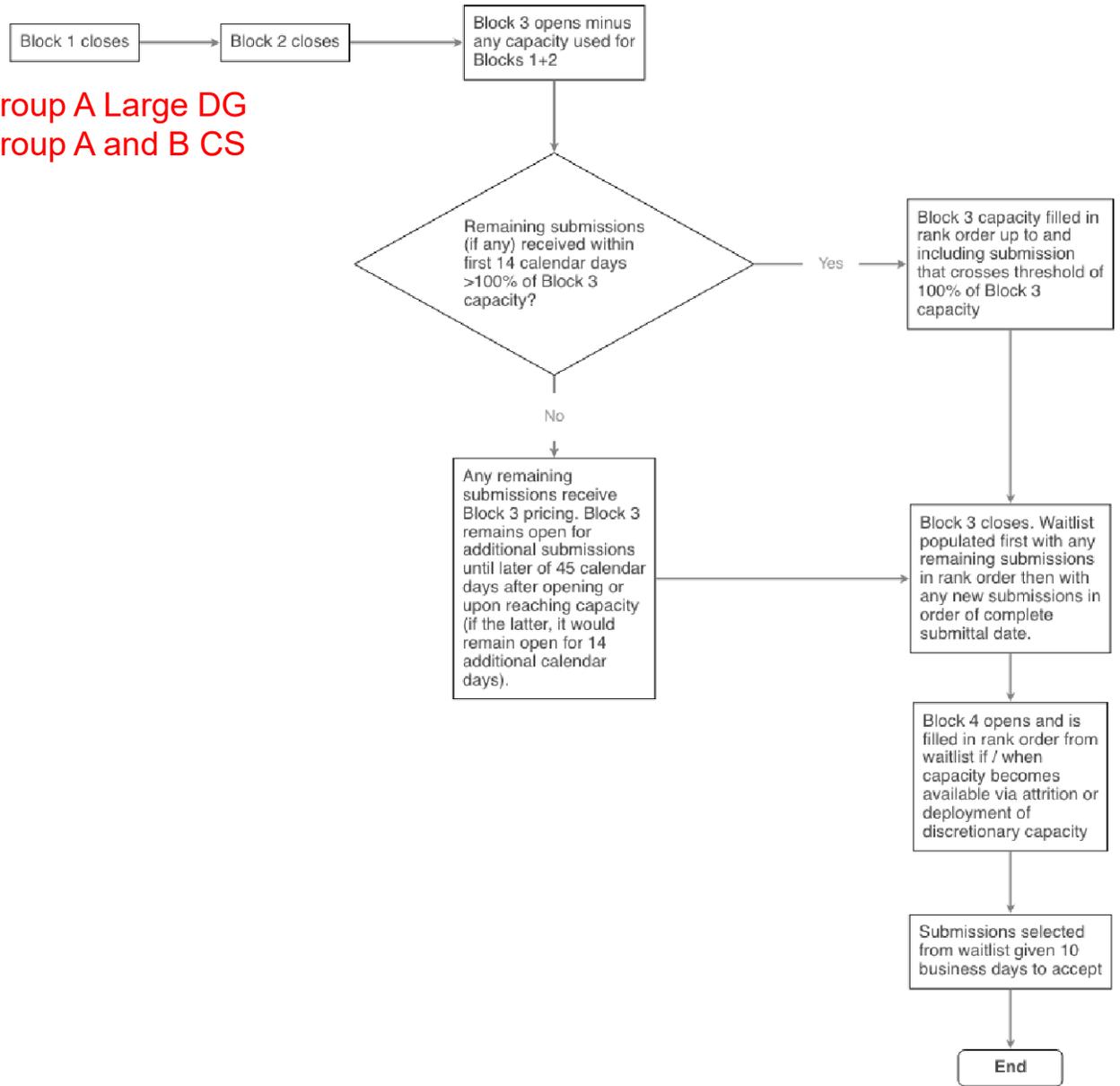
Lottery Procedure



Lottery Procedure

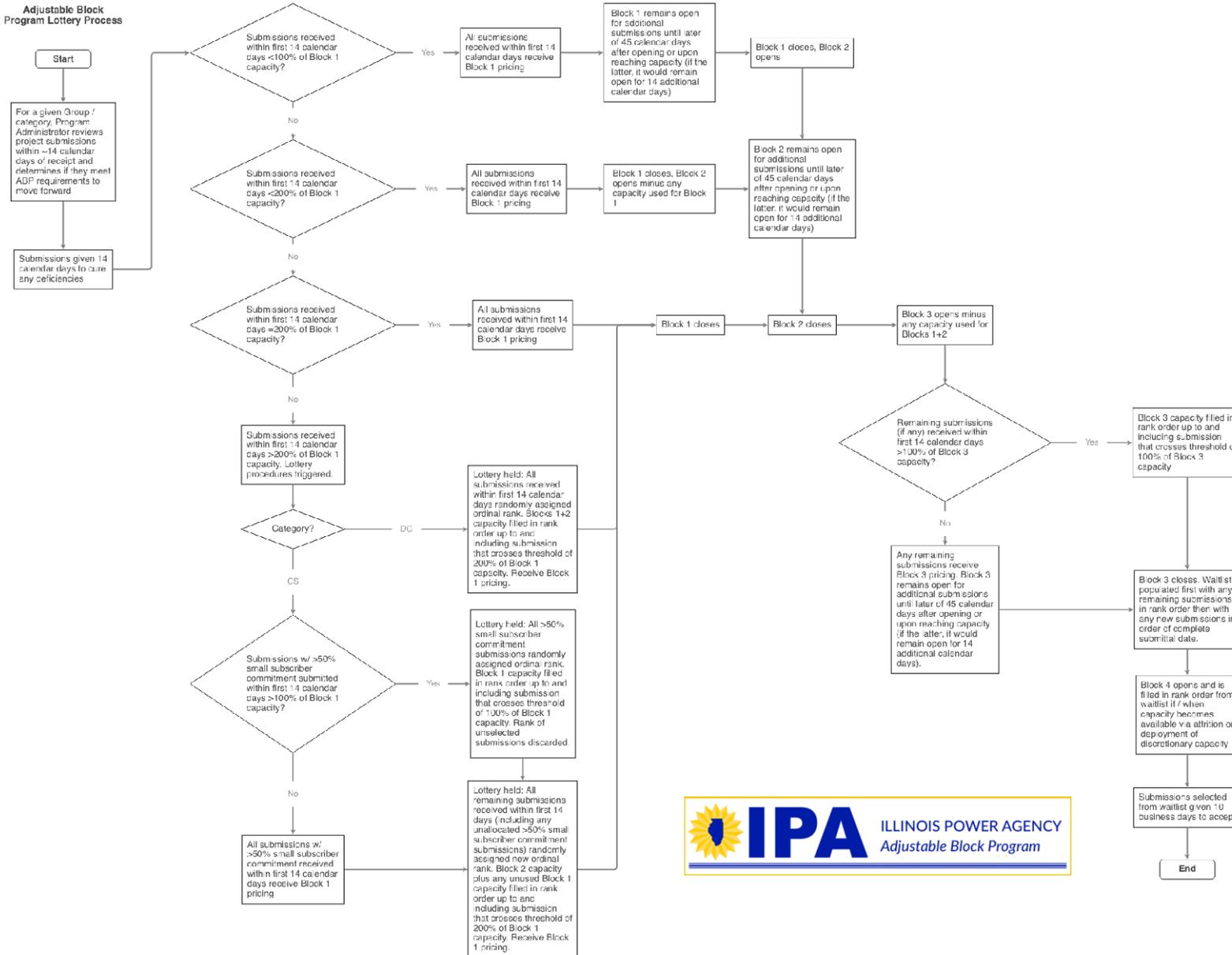


Group A Large DG
Group A and B CS



Lottery Procedure

Adjustable Block Program Lottery Process



Lottery Procedure

Small Subscriber Commitment

- Projects who commit to at least 50% small subscribers (≤ 25 kw by nameplate subscription) participate in first round of community solar lottery.
- Since both Groups had more than 100% of Block 1 small subscriber commitment, a lottery will be held among those projects first for 50% of the Block 1 capacity.
- Second lottery will include all non-winning projects from the first round plus any projects not making small subscriber commitment

Developer Cap

- Any affiliated family of project developers will have a 20% cap on the capacity of REC contract awards for a given Group/category, determined on a block by block basis
- Affiliated family that exceeds 20% cap for allocation of 200% of Block 1 will have projects exceeding cap moved to become the first projects in Block 3 for that Group/category
- Block 3 evaluated separately and any affiliated family that exceeds 20% of the awarded capacity in Block 3 will have projects exceeding cap moved to become the first projects in Block 4
- Capacity cap will not be applied at any time after initial lottery or Block 3 for Groups that go to lottery
- For each of Group A and Group B community solar, 20% cap evaluation will only be applied to the total capacity in Block 1 after both lotteries for 200% of Block 1 capacity are complete

Technical Description

- All project data and code reside in illinoisabp.com server in Lansing, MI
- InClime team reviewed all lottery eligible projects, providing a 2 week cure period to any project with questions or issues
- All verified projects placed in the lottery database by application ID
- Code on the server will assign ordinal rank by application ID
 - SQL rand() function used to sort projects
 - Any projects that exceed developer cap automatically moved to the beginning of next block per lottery guidelines
 - Process is within the selection algorithm
 - If a developer cap is hit the impacted projects are recorded in an internal database but will not be published
 - Function seeded by the microsecond time lottery button pushed – Seed recorded and printed with results and could be used to replicate results
 - All communication between the server and lottery room computer are SSL encrypted
 - Ordinal ranked projects stored in a new database table which will remain unchanged and can be cross checked against printed results

Process Explanation

The following number of projects will be participating in the lottery

	Group A - Large DG	Group A - Community Solar		Group B - Community Solar	
		Small Subscriber Commitment	No Small Subscriber Commitment	Small Subscriber Commitment	No Small Subscriber Commitment
Number of Projects	740	476	10	433	0
MW	124.29822	907.8198	15	854.23	0

Note: These numbers are smaller than initial dashboard figures due to projects that were withdrawn or were not approved by the Program Administrator

Process Explanation

Lottery

Generate Results

Category	Lottery
Group A - Large DG	<input type="button" value="Run Lottery"/>
Group A - Community Solar	<input type="button" value="Run Lottery - Small Subscribers Only"/>
Group B - Community Solar	<input type="button" value="Run Lottery - Small Subscribers Only"/>



- IPA Director will press “Run Lottery” for Group A – Large DG

Process Explanation

Lottery

Generate Results

Category	Lottery
Group A - Large DG	View Lottery Results
Group A - Community Solar	Run Lottery - Small Subscribers Only
Group B - Community Solar	Run Lottery - Small Subscribers Only



- IPA Director will press “Run Lottery” for Group A – Large DG
- Lottery results link will appear after algorithm runs (2-3 seconds)

Process Explanation

Lottery Results

Block Group: A
Category: Large DG

Seed: 444505

Total Block 1: 44.93 MW

Total Block 3: 6.01 MW

Total Block 4: 72.33 MW

Sort by Application ID

Return to Lottery

Print Results

Ordinal	Application ID	Project Name	Nameplate Capacity (kW)	Win (Yes/Waitlist)	Block	Cumulative Size (MW)
1	xxxx	Test Project DG1	180	Yes	1	0.18
2	xxx	Test Project DG2	25	Yes	1	0.21
3	xxxx	Test Project DG3	11	Yes	1	0.22
4	xxxx	Test Project DG4	15	Yes	1	0.23
5	xxxx	Test Project DG5	15	Yes	1	0.25



Note: The last project in each block is accepted even if that brings total capacity over Block capacity. This “rounding up” may results in slightly larger block sizes than published.

Process Explanation

- Results will be printed
- Printed results will be dated and signed
- Hard copy of results will be retained by IPA
- All dashboards will show status of each project shortly after lottery
- concludes
- Full results will be posted at www.illinoisabp.com shortly after lottery is completed
- Individual project results will be emailed shortly after lottery concludes



Process Explanation

Two Step Community Solar Lottery

Lottery

Generate Results

Category	Lottery
Group A - Large DG	View Lottery Results
Group A - Community Solar	<input type="button" value="Run Lottery - Small Subscribers Only"/>
Group B - Community Solar	<input type="button" value="Run Lottery - Small Subscribers Only"/>

Run Lottery – Small Subscribers Only is pressed

Lottery

Generate Results

Category	Lottery
Group A - Large DG	View Lottery Results
Group A - Community Solar	View Lottery Results - Small Subscriber <input type="button" value="Run Lottery - All Projects"/>
Group B - Community Solar	<input type="button" value="Run Lottery - Small Subscribers Only"/>

Results are generated

Process Explanation

Small Subscriber Results Displayed

Lottery Results

Block Group: A
Category: Community Solar

[Return to Lottery](#)

Seed: 586692

Total Block 1: 23.35 MW

Total Block 3: 0.00 MW

Total Block 4: 0.00 MW

[Print Results](#)

[Sort by Application ID](#)

Ordinal	Run #	Application ID	Project Name	Nameplate Capacity (kW)	Win (Yes/Waitlist)	Block	Cumulative Size (MW)
1	1	xxxx	Test Project CS5	2,000	Yes	1	2.00
2	1	xxxx	Test Project CS9	2,000	Yes	1	4.00
3	1	xxxx	Test Project CS2	2,000	Yes	1	6.00

Run Lottery – All Projects is run for all remaining CS projects

Projects not selected in the first round are re-ordered with non-small subscriber projects

Lottery

Generate Results

Category	Lottery
Group A - Large DG	View Lottery Results
Group A - Community Solar	View Lottery Results - Small Subscriber Run Lottery - All Projects
Group B - Community Solar	Run Lottery - Small Subscribers Only

Process Explanation

Results generated for remaining CS projects

Lottery

Generate Results

Category	Lottery
Group A - Large DG	View Lottery Results
Group A - Community Solar	View Lottery Results - All
Group B - Community Solar	Run Lottery - Small Subscribers Only

Results are displayed. Note this is all CS projects with ordinal numbers starting with the small subscriber results

Lottery Results

Block Group: A
Category: Community Solar

[Return to Lottery](#)[Print Results](#)

Seed: 586692

Total Block 1: 23.35 MW

Total Block 3: 0.00 MW

Total Block 4: 0.00 MW

[Sort by Application ID](#)

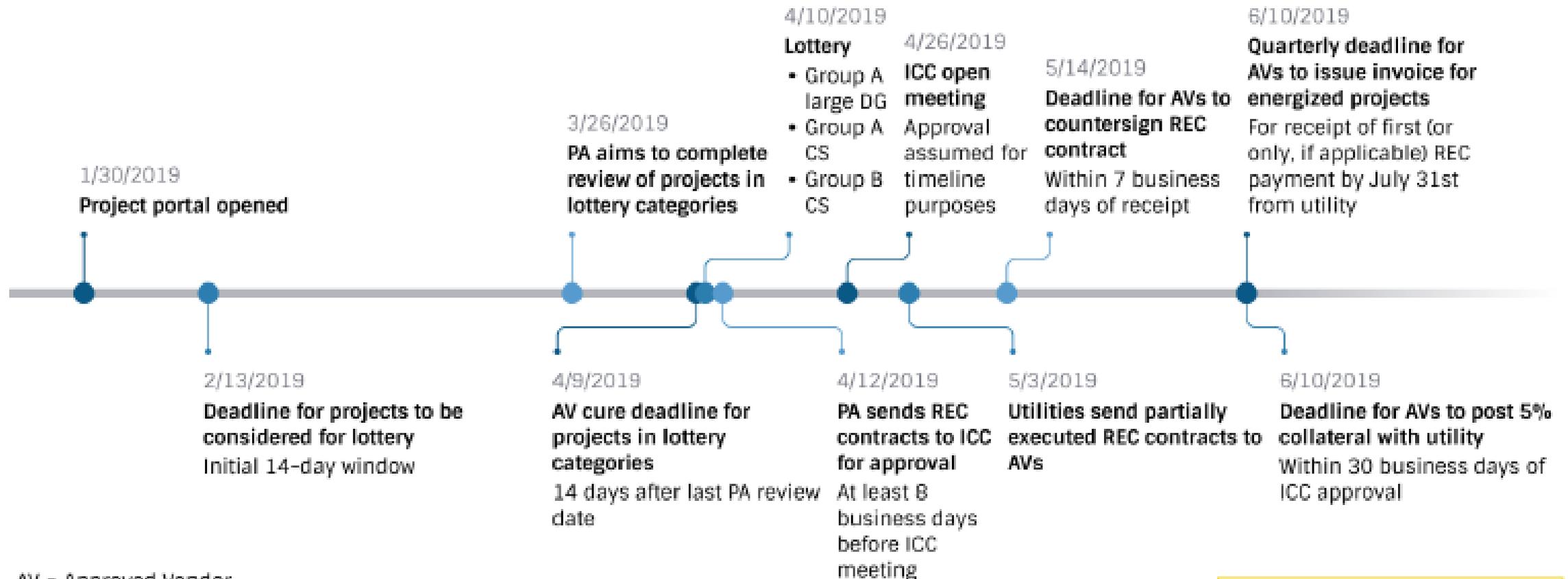
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1	1	xxxx	Test Project CS5	2,000	Yes	1	2.00
2	1	xxxx	Test Project CS9	2,000	Yes	1	4.00
3	1	xxxx	Test Project CS2	2,000	Yes	1	6.00

Printing and signing procedure same as Large DG

Next Steps

Illinois ABP Lottery & REC Contract Timeline

For indicative purposes only - dates are subject to change.
Utilities and the ICC are independent organizations and have responsibility for their own timing.



AV = Approved Vendor
PA = Program Administrator
ICC = Illinois Commerce Commission

Note: Projects in non-lottery categories will be reviewed on a rolling basis.

**Adjustable Block
Program Administrator**

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(877) 783-1820***