

# REGIONAL ALLOCATION

FOR THE

## NAHBPC 2017

(AND BEYOND)

The NAH would like to introduce and announce its new regional allocation system, the **Pro-Rated Ranking System**. This post highlights the main reasons for the change and explains the new system in comparison to the old system to help everyone understand how NAH will allocate spots for teams from all ten North American regions in the future.

The most important reason for the change is that the new system more accurately captures the strength of a region through collecting points for every team that attends NAHBPC and considers four years of performance, not just one, when allocating spots. More details and analysis are presented below.

### Historic Method:

Each region is awarded 3 (in 2016 only 2) spots for the main event + one spot for each team who finished in the top 24 at the NAHBPC from the previous year. The number (24) may vary based on how big the main event was (based on courts and days to host the event). This method is very straight forward.

One advantage of this method is that a region may gain several spots in one year with a good performance, but it may also lose several spots in one year due to a lack of attendance or a poor performance. Another flaw of this system is it's non-discriminatory towards the position a team finishes (ie: equal weight is given to 1st and 24th place).

**Reasons this is relevant:** Mexico had VISA issues this year so although they traditionally are able to place one team in the top 24 and in return gain a spot for the following years Main event, this year they would lose that spot. Conversely the SW region had a stronger showing in the top 24 this year, as the host region was able to field additional teams.

### The Future:

The new system is called the **Pro-Rated Ranking System**, which is very similar to that used by FIFA to determine World rankings among its Women's and Men's national teams. There are two key differences: **first**, it assigns a point value to **every team** who attends the main event from first to last place. These points are then accumulated towards each region's final point total for a given year. **Second**, this system back-dates points for **four years**, using previous year totals to create a regional ranking based on current and past performance with an emphasis on current (*point values degrade each year*). The great thing about this system is that a region can build strength through collecting points every year for all teams attending, consistently over a span of several years.

*The short is this: every year a region gains points for every team that they send to the NAHBPC, every year that passes, those points lose value until they eventually fall off the board in four years. A regions ranking, which ultimately determines the upcoming years distribution, is based of the accumulated point total of the 4 years.*

For example, using made up point totals for the past four years the following formula may be created to find a Region's ranking:

2016 (**41.5x100%**) + 2015 (**34.5x80%**) + 2014 (**52.5x50%**) + 2013 (**47.5x20%**) = **104.85 Ranking**

In this formula the numbers 41.5, 34.5, 52.5, and 47.5 are the Region's point totals for the past 4 years, whereas the percentage values are the degrading values applied to each year.

**Please refer to Appendix A for all statistics.**

**Appendix A: Pro-Rated Points System**

REGION	2016 NAHBPC			2015 NAHBPC			2014 NAHBPC			2013 NAHBPC			TOTALS		2017 ALLOCATION		
	# TEAMS	POINTS	PRO-RATED	# TEAMS	POINTS	PRO-RATED	# TEAMS	POINTS	PRO-RATED	# TEAMS	POINTS	PRO-RATED	PRO-RATED POINTS		GAURANTEED SPOT	AWARDED SPOTS	TOTAL SPOTS
CASCADIA	8	344.75	344.75	13	474.00	379.20	11	526.00	263.00	8	412.75	82.55	1069.5	33.58%	1	3	4
SOUTH WEST	9	340.50	340.50	7	197.63	158.10	4	190.75	95.38	7	197.50	39.50	633.5	19.89%	1	2	3
HEARTLAND	2	147.50	147.50	8	128.75	103.00	5	112.50	56.25	6	102.50	20.50	327.3	10.27%	1	1	2
EASTSIDE	3	127.50	127.50	5	80.13	64.10	6	87.25	43.63	5	163.50	32.70	267.9	8.41%	1	1	2
GREAT LAKES	5	81.25	81.25	5	150.00	120.00	5	75.25	37.63	6	124.00	24.80	263.7	8.28%	1	1	2
SOUTH CENTRAL	4	75.50	75.50	3	72.13	57.70	6	106.50	53.25	6	61.75	12.35	198.8	6.24%	1	0	1
GREAT PLAINS	2	85.50	85.50	2	69.38	55.50	3	66.25	33.13	1	49.00	9.80	183.9	5.77%	1	0	1
SOUTH EAST	3	73.00	73.00	6	44.63	35.70	3	61.25	30.63	3	31.00	6.20	145.5	4.57%	1	0	1
NORTH SIDES	0	0.00	0.00	3	9.13	7.30	4	35.50	17.75	5	105.75	21.15	46.2	1.45%	1	0	1
MEXICO	0	0.00	0.00	1	49.00	39.20	1	19.75	9.88	0	0.00	0.00	49.1	1.54%	1	0	1
	36			54			48			47			3185.4				
<b>TOTALS</b>	<b>36</b>	<b>1275.50</b>		<b>53</b>	<b>1274.78</b>		<b>48</b>	<b>1281.00</b>		<b>47</b>	<b>1247.75</b>		<b>3185.37</b>		<b>10</b>	<b>8</b>	<b>18</b>