

Exhibit C

Meal Pattern Nutrition Standards and Implementation Timeline

Nutrition Standards in the National School Lunch and School Breakfast Programs—Jan. 2012

	Breakfast Meal Pattern			Lunch Meal Pattern		
	Grades K-5 ^a	Grades 6-8 ^a	Grades 9-12 ^a	Grades K-5	Grades 6-8	Grades 9-12
Meal Pattern	Amount of Food ^b Per Week (Minimum Per Day)					
Fruits (cups) ^{c,d}	5 (1) ^e	5 (1) ^e	5 (1) ^e	2½ (½)	2½ (½)	5 (1)
Vegetables (cups) ^{c,d}	0	0	0	3¾ (¾)	3¾ (¾)	5 (1)
Dark green ^f	0	0	0	½	½	½
Red/Orange ^f	0	0	0	¾	¾	1¼
Beans/Peas (Legumes) ^f	0	0	0	½	½	½
Starchy ^f	0	0	0	½	½	½
Other ^{f,g}	0	0	0	½	½	¾
Additional Veg to Reach Total ^h	0	0	0	1	1	1½
Grains (oz eq) ⁱ	7-10 (1) ^j	8-10 (1) ^j	9-10 (1) ^j	8-9 (1)	8-10 (1)	10-12 (2)
Meats/Meat Alternates (oz eq)	0 ^k	0 ^k	0 ^k	8-10 (1)	9-10 (1)	10-12 (2)
Fluid milk (cups) ^l	5 (1)	5 (1)	5 (1)	5 (1)	5 (1)	5 (1)
Other Specifications: Daily Amount Based on the Average for a 5-Day Week						
Min-max calories (kcal) ^{m,n,o}	350-500	400-550	450-600	550-650	600-700	750-850
Saturated fat (% of total calories) ^{n,o}	< 10	< 10	< 10	< 10	< 10	< 10
Sodium (mg) ^{n,p}	≤ 430	≤ 470	≤ 500	≤ 640	≤ 710	≤ 740
Trans fat ^{n,o}	Nutrition label or manufacturer specifications must indicate zero grams of <u>trans</u> fat per serving.					

^aIn the SBP, the above age-grade groups are required beginning July 1, 2013 (SY 2013-14). In SY 2012-2013 only, schools may continue to use the meal pattern for grades K-12 (see § 220.23).

^bFood items included in each food group and subgroup and amount equivalents. Minimum creditable serving is ⅛ cup.

^cOne quarter-cup of dried fruit counts as ½ cup of fruit; 1 cup of leafy greens counts as ½ cup of vegetables. No more than half of the fruit or vegetable offerings may be in the form of juice. All juice must be 100% full-strength.

^dFor breakfast, offerings may be substituted for fruits, but the first two cups per week of any such substitution must be from the dark green, red/orange, beans and peas (legumes) or “Other vegetables” subgroups as defined in §210.10(c)(2)(iii).

^eThe fruit quantity requirement for the SBP (5 cups/week and a minimum of 1 cup/day) is effective July 1, 2014 (SY 2014-2015).

^fLarger amounts of these vegetables may be served.

^gThis category consists of “Other vegetables” as defined in §210.10(c)(2)(iii)(E). For the purposes of the NSLP, “Other vegetables” requirement may be met with any additional amounts from the dark green, red/orange, and beans/peas (legumes) vegetable subgroups as defined in §210.10(c)(2)(iii).

^hAny vegetable subgroup may be offered to meet the total weekly vegetable requirement.

ⁱAt least half of the grains offered must be whole grain-rich in the NSLP beginning July 1, 2012 (SY 2012-2013), and in the SBP beginning July 1, 2013 (SY 2013-2014). All grains must be whole grain-rich in both the NSLP and the SBP beginning July 1, 2014 (SY 2014-15).

^jIn the SBP, the grain ranges must be offered beginning July 1, 2013 (SY 2013-2014).

^kThere is no separate meat/meat alternate component in the SBP. Beginning July 1, 2013 (SY 2013-2014), schools may substitute 1 oz. eq. of meat/meat alternate for 1 oz. eq. of grains after the minimum daily grains requirement is met.

^lFluid milk must be low-fat (1 percent milk fat or less, unflavored) or fat-free (unflavored or flavored).

^mThe average daily amount of calories for a 5-day school week must be within the range (at least the minimum and no more than the maximum values).

ⁿDiscretionary sources of calories (solid fats and added sugars) may be added to the meal pattern if within the specifications for calories, saturated fat, trans fat, and sodium. Foods of minimal nutritional value and fluid milk with fat content greater than 1 percent milk fat are not allowed.

^oIn the SBP, calories and trans fat specifications take effect beginning July 1, 2013 (SY 2013-2014).

^pFinal sodium specifications are to be reached by SY 2022-2023 or July 1, 2022. Intermediate sodium specifications are established for SY 2014-2015 and 2017-2018. See required intermediate specifications in § 210.10(f)(3) for lunches and § 220.8(f)(3) for breakfast.

Nutrition Standards in the National School Lunch and School Breakfast Programs

ALL meal pattern and nutrition standards requirements indicated by the USDA for implementation through the 2014–2015 School Year for both the National School Lunch and School Breakfast Programs **MUST** be implemented for the 2012–2013 Contract Term with the only exception of the sodium targets, which must be implemented as required in subsequent Contract Terms, if applicable.

New Requirements	Implementation (School Year) for NSLP (L) and SBP (B)						
	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2022/23
Fruits Component							
• Offer fruit daily	L						
• Fruit quantity increase to 5 cups/week (minimum 1 cup/day)			B				
Vegetables Component							
• Offer vegetables subgroups weekly	L						
Grains Component							
• Half of grains must be whole grain-rich	L	B					
• All grains must be whole-grain rich			L, B				
• Offer weekly grains ranges	L	B					
Meats/Meat Alternates Component							
• Offer weekly meats/meat alternates ranges (daily min.)	L						
Milk Component							
• Offer only fat-free (unflavored or flavored) and low-fat (unflavored) milk	L, B						
Dietary Specifications (to be met on average over a week)							
• Calorie ranges	L	B					
• Saturated fat limit (no change)	L, B						
• Sodium Targets <ul style="list-style-type: none"> ○ Target 1 ○ Target 2 ○ Final target 			L, B			L, B	L, B
• Zero grams of <u>trans</u> fat per portion	L	B					
Menu Planning							
• A single FBMP approach	L	B					
Age-Grade Groups							
• Establish age/grade groups: K-5, 6-8, 9-12	L	B					
Offer vs. Serve							
• Reimbursable meals must contain a fruit or vegetable (1/2 cup minimum)	L		B				
Monitoring							
• 3-year adm. review cycle		L, B					
• Conduct weighted nutrient analysis on 1 week of menus	L	B					

Vegetable Subgroups

Exhibit C-3

Listed below are samples of commonly-eaten vegetables found in each of the required vegetable subgroups. The list is not all-inclusive.

<p>Dark Green Vegetables</p> <ul style="list-style-type: none"> ▪ bok choy ▪ broccoli ▪ collard greens ▪ dark green leafy lettuce ▪ kale ▪ mesclun ▪ mustard greens ▪ romaine lettuce ▪ spinach ▪ turnip greens ▪ watercress 	<p>Beans and Peas*</p> <ul style="list-style-type: none"> ▪ black beans ▪ black-eyed peas (mature, dry) ▪ garbanzo beans (chickpeas) ▪ kidney beans ▪ lentils ▪ navy beans ▪ pinto beans ▪ soy beans ▪ split peas ▪ white beans
<p>Starchy Vegetables</p> <ul style="list-style-type: none"> ▪ cassava ▪ corn ▪ fresh cowpeas, field peas, or black-eyed peas (not dry) ▪ green bananas ▪ green peas ▪ green lima beans ▪ plantains ▪ potatoes ▪ taro ▪ water chestnuts 	<p>Other Vegetables</p> <ul style="list-style-type: none"> ▪ artichokes ▪ asparagus ▪ avocado ▪ bean sprouts ▪ beets ▪ Brussels sprouts ▪ cabbage ▪ cauliflower ▪ celery ▪ cucumbers ▪ eggplant ▪ green beans
<p>Red & Orange Vegetables</p> <ul style="list-style-type: none"> ▪ acorn squash ▪ butternut squash ▪ carrots ▪ hubbard squash ▪ pumpkin ▪ red peppers ▪ sweet potatoes ▪ tomatoes ▪ tomato juice 	<p>Other Vegetables (continued)</p> <ul style="list-style-type: none"> ▪ green peppers ▪ iceberg (head) lettuce ▪ mushrooms ▪ okra ▪ onions ▪ parsnips ▪ turnips ▪ wax beans ▪ zucchini

*For more information on Beans and Peas, refer to <http://www.choosemyplate.gov/food-groups/vegetables-beans-peas.html>.

SCHOOL LUNCH AND BREAKFAST

**WHOLE GRAIN-RICH OUNCE EQUIVALENCY (OZ EQ)
REQUIREMENTS FOR SCHOOL MEAL PROGRAMS^{1,2}**

GROUP A	OZ EQ FOR GROUP A
<ul style="list-style-type: none"> • Bread type coating • Bread sticks (hard) • Chow mein noodles • Savory Crackers (saltines and snack crackers) • Croutons • Pretzels (hard) • Stuffing (dry) Note: weights apply to bread in stuffing. 	<p>1 oz eq = 22 gm or 0.8 oz</p> <p>3/4 oz eq = 17 gm or 0.6 oz</p> <p>1/2 oz eq = 11 gm or 0.4 oz</p> <p>1/4 oz eq = 6 gm or 0.2 oz</p>
GROUP B	OZ EQ FOR GROUP B
<ul style="list-style-type: none"> • Bagels • Batter type coating • Biscuits • Breads (sliced whole wheat, French, Italian) • Buns (hamburger and hot dog) • Sweet Crackers⁴ (graham crackers - all shapes, animal crackers) • Egg roll skins • English muffins • Pita bread (whole wheat or whole grain-rich) • Pizza crust • Pretzels (soft) • Rolls (whole wheat or whole grain-rich) • Tortillas (whole wheat or whole corn) • Tortilla chips (whole wheat or whole corn) • Taco shells (whole wheat or whole corn) 	<p>1 oz eq = 28 gm or 1.0 oz</p> <p>3/4 oz eq = 21 gm or 0.75 oz</p> <p>1/2 oz eq = 14 gm or 0.5 oz</p> <p>1/4 oz eq = 7 gm or 0.25 oz</p>
GROUP C	OZ EQ FOR GROUP C
<ul style="list-style-type: none"> • Cookies³ (plain - includes vanilla wafers) • Cornbread • Corn muffins • Croissants • Pancakes • Pie crust (dessert pies³, cobbler³, fruit turnovers⁴, and meat/meat alternate pies) • Waffles 	<p>1 oz eq = 34 gm or 1.2 oz</p> <p>3/4 oz eq = 26 gm or 0.9 oz</p> <p>1/2 oz eq = 17 gm or 0.6 oz</p> <p>1/4 oz eq = 9 gm or 0.3 oz</p>
GROUP D	OZ EQ FOR GROUP D
<ul style="list-style-type: none"> • Doughnuts⁴ (cake and yeast raised, unfrosted) • Cereal bars, breakfast bars, granola bars⁴ (plain) • Muffins (all, except corn) • Sweet roll⁴ (unfrosted) • Toaster pastry⁴ (unfrosted) 	<p>1 oz eq = 55 gm or 2.0 oz</p> <p>3/4 oz eq = 42 gm or 1.5 oz</p> <p>1/2 oz eq = 28 gm or 1.0 oz</p> <p>1/4 oz eq = 14 gm or 0.5 oz</p>

¹ The following food quantities from Groups A-G, must contain at least 16 grams of whole-grain or can be made with 8 grams of whole-grain and 8 grams of enriched meal and/or enriched flour to be considered whole grain-rich.

² Some of the following grains may contain more sugar, salt, and/or fat than others. This should be a consideration when deciding how often to serve them.

³ Allowed only as dessert at lunch as specified in §210.10.

⁴ Allowed for desserts at lunch as specified in §210.10, and for breakfasts served under the SBP.

GROUP E	OZ EQ FOR GROUP E
<ul style="list-style-type: none"> • Cereal bars, breakfast bars, granola bars ⁴ (with nuts, dried fruit, and/or chocolate pieces) • Cookies³ (with nuts, raisins, chocolate pieces and/or fruit purees) • Doughnuts⁴ (cake and yeast raised, frosted or glazed) • French toast • Sweet rolls⁴ (frosted) • Toaster pastry⁴ (frosted) 	<p>1 oz eq = 69 gm or 2.4 oz</p> <p>3/4 oz eq = 52 gm or 1.8 oz</p> <p>1/2 oz eq = 35 gm or 1.2 oz</p> <p>1/4 oz eq = 18 gm or 0.6 oz</p>
GROUP F	OZ EQ FOR GROUP F
<ul style="list-style-type: none"> • Cake³ (plain, unfrosted) • Coffee cake⁴ 	<p>1 oz eq = 82 gm or 2.9 oz</p> <p>3/4 oz eq = 62 gm or 2.2 oz</p> <p>1/2 oz eq = 41 gm or 1.5 oz</p> <p>1/4 oz eq = 21 gm or 0.7 oz</p>
GROUP G	OZ EQ FOR GROUP G
<ul style="list-style-type: none"> • Brownies³ (plain) • Cake³ (all varieties, frosted) 	<p>1 oz eq = 125 gm or 4.4 oz</p> <p>3/4 oz eq = 94 gm or 3.3 oz</p> <p>1/2 oz eq = 63 gm or 2.2 oz</p> <p>1/4 oz eq = 32 gm or 1.1 oz</p>
GROUP H	OZ EQ FOR GROUP H
<ul style="list-style-type: none"> • Cereal Grains (barley, quinoa, etc) • Breakfast cereals (cooked)^{5, 6} • Bulgur or cracked wheat • Macaroni (all shapes) • Noodles (all varieties) • Pasta (all shapes) • Ravioli (noodle only) • Rice (enriched white or brown) 	<p>1 oz eq = 1/2 cup cooked or 1 ounce (28 g) dry</p>
GROUP I	OZ EQ FOR GROUP I
<ul style="list-style-type: none"> • Ready to eat breakfast cereal (cold, dry) ^{5, 6} 	<p>1 oz eq = 1 cup or 1 ounce for flakes and rounds</p> <p>1 oz eq = 1.25 cups or 1 ounce for puffed cereal</p> <p>1 oz eq = 1/4 cup or 1 ounce for granola</p>

⁵ Refer to program regulations for the appropriate serving size for supplements served to children aged 1 through 5 in the NSLP; and meals served to children ages 1 through 5 and adult participants in the CACFP. Breakfast cereals are traditionally served as a breakfast menu item but may be served in meals other than breakfast.

⁶ Cereals must be whole-grain, or whole grain and enriched or fortified cereal.

