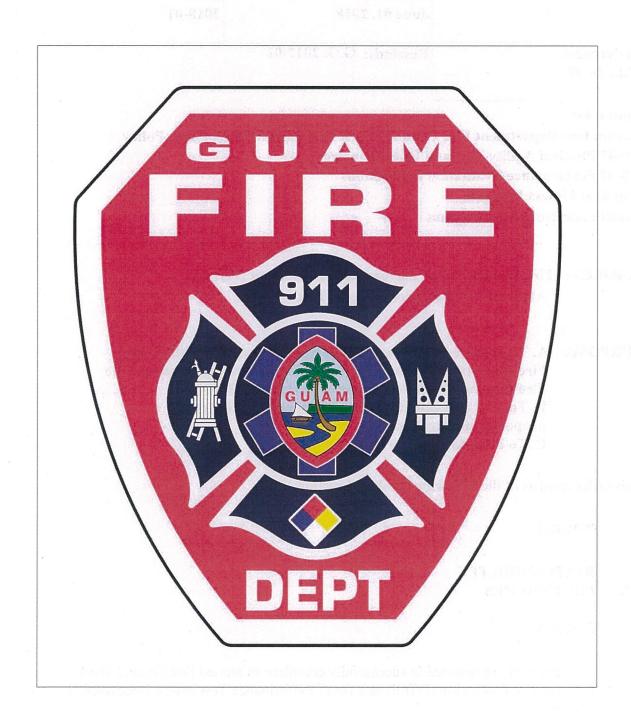
APPENDIX F GUAM FIRE DEPARTMENT

FIREGROUND WORK PERFORMANCE EVALUATION (10-47 TEST)



GUAM FIRE DEPARTMENT P.O. BOX 2950 HAGATÑA, GUAM 96932

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GENERAL ORDER	Effective:	No:	
	June 01, 2018	2018-01	
Reference: P.L. 34-49	Rescinds: G.O. 2017-	01	
Index As: Guam Fire Department I	 Fire Ground Work Perform	ance Evaluation Policy	
10-47 Physical Agility Te	st and Questionnaire		
10-47 Performance Evalu	ation Instructions		
Physical Fitness Program	ı		
Health and Nutrition Pro	gram		

SUBJECT: Fire Ground Work Performance Evaluation (FGPE)

AKA: GFD 10-47 Performance Test

PURPOSE: A. To provide guidelines and procedures that ensure the Guam

Fire Department's personnel meet the physical standards for the

Fire Ground Work Performance Evaluation (FGPE). B. To provide evaluation procedures and guidelines for

 $proper\ administration.\\$

C. To be in compliance with _____

This order consists of the following numbered section:

- I. POLICY
- II. RESPONSIBILITY
- III. PROCEDURES
- I. POLICY:

All personnel are required to successfully complete an annual Fire Ground Work Performance Evaluation (FGPE) aka 10-47 Performance Test before December 31 of each year.

II. RESPONSIBILITY:

- A. It is the responsibility of the Fire Chief to report and recommend to the POST Commission revocation of FGPE certificate of any personnel failing the 10-47 Performance Test four (4) times within a twelve (12) month period.
- B. It shall be the responsibility of the Training Bureau to:
 - 1. Maintain and store all necessary equipment to administer the 10-47 Performance Test.
 - 2. Administer and coordinate scheduling of the 10-47 Performance Test.
 - 3. Maintain records of personnel relative to 10-47 Performance Test.
 - 4. Provide 10-47 Performance Test reports within fifteen (15) days of testing personnel to the Fire Chief and the Training Bureau.
- C. All Bureau Chiefs shall be responsible to:
 - 1. Ensure that all personnel in their respective units/sections are present and prepared to participate in the scheduled 10-47 Performance Test.
 - 2. Implement, inspect, and monitor programs within their respective Commands to maintain 10-47 Performance Test readiness.
- D. Company Commanders and section leaders shall be responsible to:
 - 1. Ensure that all personnel in their respective companies/sections are present and prepared to participate in the scheduled training and drills to maintain 10-47 Performance Test readiness
 - 2. Conduct training and drills to maintain 10-47 Performance Test readiness.
 - 3. Maintain 10-47 Performance Test results of personnel assigned.
 - 4. Conduct progressive counseling/discipline and maintain records of personnel assigned that fail to participate in training and drills to maintain 10-47 Performance Test readiness and/or fail the 10-47 Performance Test.
- E. All personnel shall be responsible to:
 - 1. Be familiar with this General Order and all of its appendices.
 - 2. Schedule 10-47 Performance Test with the Training Bureau.
 - 3. Be present and prepared with proper gear to participate in their scheduled 10-47 Performance Test.
 - 4. Participate in drills and training that will enhance 10-47 Performance Test readiness.

III. PROCEDURES:

- A. General reasons a 10-47 Performance Test would need to be performed:
 - 1. Certification/ Recertification
 - 2. Reinstatement
 - 3. Lift of long term light duty status.
 - 4. As ordered by the Fire Chief
- B. 10-47 Performance Test recertification period:
 - 1. All Guam Fire Department Uniformed personnel shall be required to be tested during the annual designated period.
 - 2. The annual designated period shall be January 1-January 31 of every year.
 - 3. The 10-47 Performance Test certifications shall be valid only between the date of the 10-47 Performance Test was passed (satisfactory) and December 31 of that test year. During the next designated recertification period, any previous satisfactory 10-47 Performance Test will no longer be valid regardless of date.
- C. All personnel shall be in Full Turnout Gear / Fire Ground PPE to include SCBA pack and Mask (On-Air) while participating in the 10-47 Performance Test.
- D. All personnel shall fill out the 10-47 Physical Agility Questionnaire prior to engaging in fitness test. (refer to appendix A).
- E. Personnel will be given ample time, no more than 20 twenty minutes, to warm up prior to beginning 10-47 Performance Test.
- F. The sequence of events for the 10-47 Performance Test shall be in order as listed below.
 - 1. Protective Gear Event
 - 2. Ladder Carry, Raise, Extension Even
 - 3. Forcible Entry Event
 - 4. High Rise Pack Event
 - 5. Hand Line Advancement Event
 - 6. Hand Line Pull Event
 - 7. Pike Pole Event
 - 8. Equipment Carry Event
 - 9. Ventilation Event
 - 10. Victim Rescue Event
- G. Test Administrators shall:
 - 1. Be trained in administering and recording results of the 10-47 Performance Test.

- 2. Give every participant detailed, clear, and concise instructions. (refer to Appendix B)
- 3. Escort participants through each event during the 10-47 Performance Test.

H. Injury/illness during participation of the 10-47 Performance Test

- 1. Personnel injured or ill prior to participating in the 10-47 Performance Test shall provide a medical note.
- 2. Personnel whobecome injured/ill during the 10-47 Performance Test shall report injury or illness to test proctor and follow Worker's Compensation procedures.

I. Temporary Medical Profile

1. Personnel with a temporary profile must take the 10-47 Performance Test after the profile has expired. Once the profile is lifted, personnel must be given twice the time of the profile (but not more than 42 days) to train for the 10-47 Performance Test. For example, if the profile period was 7 days, the personnel has 14 days to train for the performance test after the profile period ends. If a normally scheduled 10-47 Performance Test occurs during the profile period, personnel should be given a mandatory make-up date. If personnel exceed 42 days, on the 43rd day they shall receive an unsatisfactory completion for the scheduled 10-47 Performance Test and discipline shall be in accordance with Unsatisfactory Completion of this policy.

J. Unsatisfactory Completion

- 1. Personnel who do not pass the 10-47 Performance Test must retest within forty-three (43) to ninety (90) days. Personnel may volunteer to retake the 10-47 Performance Test earlier than forty-three (43) days with the approval of the Fire Chief.
 - a. First Unsatisfactory A written warning shall be issued to personnel by their immediate supervisor. Immediate supervisor shall discuss and implement a nutrition plan and workout regimen with the individual (refer to Appendices C & D).
 - b. Second Unsatisfactory A second written warning shall be issued to personnel by their immediate supervisor. Immediate supervisor shall discuss and implement a nutrition plan and workout regimen with the individual (refer to Appendices C & D). Personnel

- will also be ineligible from any favorable employee action, e.g., promotions and individual or unit performance awards.
- c. Third Unsatisfactory A third written warning shall be issued to personnel by their immediate supervisor. Immediate supervisor shall discuss and implement a nutrition plan and workout regimen with the individual (refer to Appendices C & D). Personnel will also be ineligible from any favorable employee action, e.g., promotions and individual or unit performance awards. A Letter of Reprimand shall be issued.
- d. Fourth Unsatisfactory The immediate supervisor of the personnel shall report to the Fire Chief the fourth unsatisfactory results and all previous disciplinary actions taken. The Fire Chief shall temporarily suspend personnel's 10-47 Performance Certification, and recommend to the POST Commission to revoke certification. Personnel will also be ineligible from any favorable employee action, e.g., promotions and individual or unit performance awards. A Notice of Proposed Adverse Action shall be issued in accordance with Department of Administration Personnel Rules and Regulations, Chapter 11.
- 2. Personnel receiving four (4) unsatisfactory 10-47 Performance Test results within a twelve (12) month period shall not receive hazardous and increment pay. Personnel shall be removed from Operations.
- 3. The Fire Chief shall also take administrative action in accordance with Department of Administration's rule and regulation and the Fair Labor Standards Act.

Appendix A: 10-47 Physical Agility Test and Questionnaire Appendix B: 10-47 Performance Evaluation Instructions

Appendix C: Nutrition Plan Appendix D: Workout Plan



Forcible Entry Event

GUAM FIRE DEPARTMENT



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10-47 Physical Agility Test

		Date:	
Rank/Name:	Station:_		Platoon:
Age: Gender: M/F	Location of Test Site	·	
The Fire Ground Work Performance Ev perform essential functions required in the Department has established a minimum safety of the firefighter and provides for services.	ne occupation of fireflevel of acceptable pe	ighting. Therformance	ne Guam Fire which protects the
* Participants are required to provide clothing ensemble to participate in the nomex hood, coat, bunker pants, boots	FGPE. This ensem	-	
Event	Pass	Fail	Reason (Fail)
Protective Gear Event	Later to the part.	se miligo	e fractions vanishedi.
Ladder Carry, Raise, Extension Event			Cora verzenia:

High Rise Pack Event

Hand Line Advancement Event

Hand Line Pull Event

Pike Pole Event

Equipment Carry Event

Ventilation Event

Victim Rescue Event

NOTE: Only four scenarios exist for the Fire Ground Performance Evaluation.:

- 1. Applicant successfully completes all required events within the allotted time as per the participant's age group (Reference Table 1-1). (Pass)
- 2. Applicant requests to be removed from the process. (Fail)
- 3. Applicant runs out of breathable air before successfully completing all events. (Fail)
- 4. Applicant exceeds the allotted time. (Fail).

Time	Pass	Fail	Evaluator Signature



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10-47 Physical Agility Test

Print Name:			Rank:	Age:
Signature:			Date:	
Contact #:			Section:	
maximum-ef heart attack (ffort test (increas	. Fire Fighters who hang age, smoking, high	our safety and health. The Fire Fig ave not been exercising regularly a h blood pressure, etc.) are at increa tly is in your best interest.	
	-		ymptoms/problems listed below aron in a physical training program?	nd not been medically evaluated and
•	Unus Dizzi Other that r asthn	ual or unexplained sho ness, fainting, or black medical problems that hay prevent you from na, etc.).	kouts associated with exertion	lly treated, or not already addressed heart disease, sickle cell trait,
		1 .	your Fitness Program Manager and tion/recommendations. Hand carry	
		NO: Stop. Proceed	to next question.	
2. Are y	you 35 y	ears of age or older?		
		YES: Proceed to ne	ext question.	enstellige film om fredte plaket er oprår militer
		NO: Stop. Sign forr Fitness Assessment		nm Manager. Member may take the



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- 3. Have you engaged in vigorous physical activity (i.e., activity causing sweating and moderate to marked increases in breathing and heart rate) averaging at least 30 minutes per session, 3 days per week, over the last 2 months?
 - YES: Stop. Sign form and return to your Fitness Program Manager. Member may take the Fitness Assessment.
 - □ NO: Proceed to the next question.
- 4. Does one (1) or more of the following risk factors apply to you?
 - Smoked tobacco products in the last 30 days
 - Diabetes
 - High blood pressure that is not controlled
 - High cholesterol that Is not controlled
 - Family history of heart disease (developed in father/brother before age 55 or mother/sister before age 65)
 - Age>45 years for males; >55 years for females
 - Yes: Stop and notify the Fitness Program Manager.
 - ■NO: Stop. Sign Form and return to your Fitness Program Manager. Member will take the Fitness Assessment



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10-47 Physical Agility Screening Questionnaire

Signature:	Date:	
Print Name:	Rank:	
Duty Phone:		
Medical Evaluation (Only applicable if member manswers all 4 statements). If medical evaluation is Questionnaire will complete the following.		
I medically evaluated(NAME)	on .	
(NAME)	(DATE)	
Medical recommendations are:		
Member (is/is not) medically cleared for the maxim Test at this time and will be reevaluated on (DA)	al effort for the 10-47 Physical Agility TE)	
(Signature / Date / Stamp of Provider)		

Guam Fire Department

Fire Ground Work Performance Evaluation (FGPE) AKA: GFD 10-47 Performance Evaluation

The Fire Ground Work Performance Evaluation (FGPE) is a test of an individual's ability to perform essential functions required in the occupation of firefighting. The Guam Fire Department has established a minimum level of acceptable performance which protects the safety of the firefighter and provides for the appropriate delivery of fire suppression and rescue services.

The Guam Fire Department requires a FGPE be administered to ALL uniformed personnel.

The FGPE consists of 10 events designed to measure the performance demands of a firefighter to operate effectively at a scene. (https://youtu.be/B5sWZLPZBPo)

- 1. Protective Gear Event
- 2. Ladder Carry, Raise, Extension Event
- 3. Forcible Entry Event
- 4. High Rise Pack Event
- 5. Hand Line Advancement Event
- 6. Hand Line Pull Event
- 7. Pike Pole Event
- 8. Equipment Carry Event
- 9. Ventilation Event
- 10. Victim Rescue Event

Event 1 - The first event is designed to ensure that there is ample time for the firefighter to secure all pieces of their Personal Protective Equipment (PPE), including Self Contained Breathing Apparatus (SCBA) in a safe manner, thus enabling the participant to safely accomplish the remaining portion of the FGPE.

Participants are required to provide complete NFPA approved personal protective clothing ensemble to participate in the FGPE. This ensemble includes helmet, ear flaps, nomex hood, coat, bunker pants, boots, and gloves.

Events 2 - 10 are adjoining events of the FGPE. They are continuous and individuals are encouraged to transition through each event as efficiently and safely as possible.

NO RUNNING IS ALLOWED ON THE COURSE AT ANY TIME.

The participant must complete Events 2 through 10 of the course in the allotted time and must have breathable air left in the SCBA tank.

Meeting or exceeding the minimum level of performance will demonstrate that the firefighter is prepared to perform the essential functions of firefighting.

<u>Safety Precautions:</u> Safety of the firefighter is top priority during the administration of the FGPE. The strenuous nature of the assessment requires that participants be monitored closely throughout the evaluation process. The assessment will not be administered when extreme environmental conditions exist that will compromise the safety of the participant. If safety is compromised by improper technique the person performing the test shall be stopped and corrected. The timer and SCBA tank time however, will not be stopped to correct improper technique.

Throughout the evaluation process, the FGPE monitor will keep watch on the participant. The participant will be monitored for improper lifting techniques which may lead to back injuries; improper striking techniques that may cause hand/arm injuries; and exhaustion that may lead to other serious injuries.

The test monitor shall apprise the participant of all aspects of the assessment process prior to the evaluation. This includes a description of each of the tasks to be performed, and the parameters for successful completion. Any performance techniques that are unacceptable will be emphasized. Individuals to be tested will be afforded an opportunity to practice the entire FGPE prior to the actual testing.

Successful

The firefighter will be considered successful at passing the FGPE if he/she completes the course within the allotted time and still breathable air in their SCBA tank.

Unsuccessful

The firefighter will be considered unsuccessful at passing the FGPE for any of the following reasons:

- 1. Firefighter requests to be removed from the process
- 2. Firefighter does not complete the course within the allotted time.
- 3. Firefighter runs out of breathable air prior to completing the course.

Description of Events:

Event 1: Personal Protective Equipment (PPE)

This event allows the firefighter to safely don his/her complete set of PPE

Firefighter will properly don complete issue of PPE (pants, coat, hood, helmet, and gloves). Firefighter will move to SCBA and properly don SCBA. Once air is activated and face piece is secured, the participant will signal ready by raising either arm.

Event 2: Ladder Lift, Carry, Raise and Extension

This event simulates the firefighter's ability to place a ladder in service.

Firefighter will position himself/herself to properly perform a one-firefighter low shoulder carry on a 24 foot extension ladder; carry the ladder 75 feet to a "marked" area; raise the ladder; extend the ladder three rungs; position the ladder to the proper climbing angle and set ladder.

MOVE TO NEXT EVENT.

EVENT 3: Forcible Entry

This event simulates the firefighter's ability to gain entry into a locked structure.

Firefighter will walk 75 feet to the forcible entry table and pick up sledge hammer provided; position to either side of the tire; strike tire repeatedly until tire moves to other end of table; walk 75 feet back to start point. **MOVE TO NEXT EVENT.**

Event 4: High Rise Pack

This event simulates the firefighter's ability to carry a high rise pack to an upper story location.

Firefighter will move to high rise pack location and properly lift high rise pack onto the shoulder; carry high rise pack 30 feet to the simulated stair platform; simulate climbing 3 floors (completely stepping up and down = 1 step) for a total of 30 steps; carry high rise pack 30 feet back to start point and place pack in marked area. **MOVE TO THE NEXT EVENT.**

EVENT 5 and 6: Hand Line Advancement and Pull

This event simulates the firefighter's ability to advance and re-position a charged hand line. Firefighter will walk 75' to charged 1 3/4" hand line; pick up hand line; pull hand line 75'; crawl back 50' on hands and knees keeping one hand in constant contact with the hose line back to coupling. Firefighter will then turn and face nozzle and while in the kneeling or sitting position, pull hose line back until nozzle is reached; lower nozzle to ground. MOVE TO NEXT EVENT.

Event 7: Pike Pole

This event simulates the firefighter's ability to pull ceilings and/or remove debris from above the shoulder level.

Firefighter will pick up pike pole; walk 30 feet to marked area and raise the pike pole 30 times. Both hands must be below the mark on the pike pole. Both arms must extend fully for each repetition to count. When completed return to start point and place pike pole back in marked area. **MOVE TO NEXT EVENT.**

Event 8: Equipment Carry

This event simulates the firefighter's ability to carry equipment from point to point.

Firefighter will move to equipment; properly lift equipment; move the item(s) 75 feet to marked area; set equipment down; lift and carry second item(s) 75 feet back to event start point. Note: Firefighter must perform single item carry and dual item carry to be successful at this event. Items to be carried in this event will alternate between 25 pound weight plate (single item carry) and 20 pound dumbbell and 25 pound dumbbell (dual item carry). **MOVE TO NEXT EVENT.**

Event 9: Ventilation

This event simulates the firefighter's ability to create an opening for ventilation.

Firefighter will pick up sledge hammer and position himself/herself on the Keiser sled; Strike I-beam until it moves a distance of 3 feet (repositioning feet as necessary); dismount Keiser sled. **MOVE TO NEXT EVENT.**

Event 10: Victim Rescue

This event simulates the firefighter's ability to perform a victim rescue.

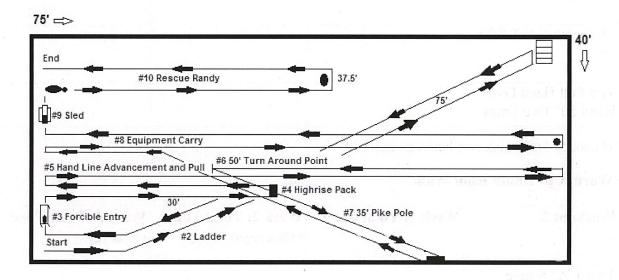
Firefighter will use straps to drag manikin (rescue dummy) a total distance of 75 feet (going around cone); returning to start point; place manikin back in marked area.

THE FIRE GROUND WORK PERFORMANCE EVALUATION IS COMPLETE. MOVE TO REHABILITATION AREA.

NOTE: Only four scenarios exist for the Fire Ground Performance Evaluation.:

- 1. Applicant successfully completes all required events within the allotted time or less. (Pass)
- 2. Applicant requests to be removed from the process (Fail)
- 3. Applicant runs out of breathable air before successfully completing all events (Fail)
- 4. Applicant exceeds the time allotted time (Fail).

View the following video (https://youtu.be/B5sWZLPZBPo) on the Fire Ground Work Performance Evaluation (FGPE) also known as the 10-47 agility test.



Start Date:

Workout Schedule:

Initial 10-47 Time and Date: *Warm Up- 10min Run/Walk			
Workout 1	Week 1: Total Time	Week 2: Total Time (+lbs/reps)	Week 3: Total Time (+lbs/reps)
30 air squats			
Two 1 ½" Hose Farmers Carry 100' 30lbs Dumbbell Equivalent		·	

*Warm Up- 10min Run/ Walk

15reps "P.O.S.T." Sit-

Tire Pull Hand Over Hand 50' Two times

ups

Name:

Workout 2	Week 1: Total Time	Week 2: Total Time (+lbs/reps)	Week 3: Total Time (+lbs/reps)
Two 1 ½" Single Section Hand Hose Carry Steps-up 20reps			
25lbs Standing Arm Curl Shoulder Press 20reps Total			
30sec Push-up Plank			
Tire Pull 100'			

^{*}If needed 1min max rest between each set.

^{*}If needed 1min max rest between each set.

Workout 3	Week 1: Total Time	eek 2: Total Time (+lbs/reps)	Week 3: Total Time (+lbs/reps)
Two 1 1/2" Single			
Sections Hose	A Company of the Comp		
Farmers Carry 100'			
9.5/10lbs			
Sledgehammer Right/			
Left Side 10 reps	1 marie 1 mari		
each side Tire Slams for a total of 20 reps			
lor a total of 20 tops			
Push Up Position			
Knee To Elbow			
20reps			
50' Tire Pull Turn and			
Hand over Hand Pull			
1	1		

^{*}If needed 1min max rest between each set

*Warm Up- 10min Run/Walk

Workout 4	Week 1: Total Time	Week 2: Total time +lbs/reps)	Week 3: Total Time(+lbs/reps)
One 1 ½" Single			
Section Hose Wide			
Stance Squat to			
Shoulder Press 20 reps			
50' Tire Drag to 10			
reps Sledgehammer			
Tire Slams Right/Left			•
Side for a Total of 20			
10 "P.O.S.T." Sit ups			
to 10 Supine Single			
Leg Toe Touch			·
Alternating Legs/Arms			
Two 1 ½" Single			
Section Hose Step			
Ups 20reps to 100'			
Farmers Carry			

Note: Your goal is to finish all three sets regardless of how fast you go or what time you complete each set. Workout schedule is to be used as only an aid to help you achieve your goal; results will vary depending on the amount of effort put into your workout.

Calculate Maximum Heart Rate: Subtract your age from 220; this method does not take into account your fitness level or health factors, which can make your true maximum heart rate 10 to 20 beats per minute higher or lower than the age-predicted number.

Determine Resting Heart Rate: Take your pulse before you get out of bed in the morning. Do this for several days in a row to get a consistent reading.

Calculate Your Training Heart-Rate Range: Subtract your hearts resting rate from your maximum rate. For example, if you are 40 years old, subtract that number from 220; your maximum rate is 180. Next, subtract your resting rate, 80 in this example. Your target range is 100 beats per minute which is a cushion available for exercising.

Training Exercises for each event:

- 1)Single arm cleans and carry with 45/75lbs- perform exercise 5/10reps walk 20' turn switch arms and perform 5/10reps then walk back to starting line.
- 2)Sledgehammer Right and Left Side Slams- With a 9.5/10lbs sledgehammer hit a semi-truck tire 10/15reps standing on one side of the tire and striking the tire in a modified low baseball swing hitting square on the sledgehammer and in the middle of the tire tread.
- 3) Weighted step-ups- Wearing a SCBA pack with a 60min bottle with a 100' of 1 ½" hotel pack will be draped over the SCBA bottle and conduct step ups 30 reps on a 8" step. Dumbbell step-ups with 45lbs dumbbell in each hand and no SCBA pack worn.
- 4) Weighted drag A 15' rope/cut 1 ½"hose attached to a standard car/suv tire and drag 50' and back to starting line. One section of 50' 1 ½" hose capped and water filled dragged 50' then walk back to starting point and pull 50' section back to starting point.
- 25/35 lbs dumbbell double handed chest to overhead press 15reps, 45 lbs bench press bar hold vertical and perform ceiling breach movement 15 reps then switch hand placement.

Nutrition Program

PERFORMANCE NUTRITION FUNDAMENTALS



Table of Contents

- 1. Introduction: Understanding the Fueling Series
- 2. Performance Nutrition Fundamentals + Rules to Live By
- 3. The Big Three: Carbohydrate, Protein, Fat
- 4. Eat the Rainbow
- 5. Fuel Up "Three Every Three"
- 6. Hydrate
- 7. Recovery Nutrition: "Don't Waste Your Workout"
- 8. Meal Builder

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Nutrition Program

PERFORMANCE NUTRITION FUNDAMENTALS



Introduction

We need a new paradigm for the food we eat. We need to view food as nourishment to our body as opposed to solely calorie units. We need to consider what that food represents in terms of energy and nutrients. Just one food or one nutrient is not the answer to more energy, an optimal weight, better health, and improved performance. The key to success lies in the collection of our habits that fuel our bodies, activities, minds, performance, and most importantly our lives.

There are 5 areas of nutrition focus in the Fueling Series. You will find that the handout series and builder systems revolve around these 5 areas

Eat Clean Eat Often Hydrate Recover Mindset

1. EAT CLEAN

Eating clean means trying to choose the least processed types of foods most of the time. Typically, the closer the food is to its original form (from the earth or the animal), the better it is for you.

Simply put: Try to eat foods in the most natural form possible.

Nutrient density plays a large role in the mentality of eating clean. Nutrient density is the relationship of the amount of nutrients that a food has to amount of calones. It is critical to try to choose nutrient dense foods as often as we can to ensure we get the nutrients we need. Focus on trying to choose the types of foods that have the highest amount of nutrients for the calories within the foods.

The 3 macronutrients:

Carbohydrate = Fuel

Protein = Build

Fat = Energy Density

2. EAT OFTEN

The key to energy and stainability (beyond the types of foods you choose) is how often you eat. By eating mini-meals every 2-3 hours, your body is given a steady flow of fuel. The goal here is to maintain blood glucose (fuel) in an optimal range. This will help maintain focus and keep your metabolism roaring all day long. We find that those who eat more frequently have better energy and prevent becoming overly hungry, which can help us make better choices.

3. HYDRATE

It is vital to stay hydrated because the body is 60-65% water which performs numerous vital functions including.

- · Providing life and shape to every cell
- · Delivery of fuel to muscles
- · Lubrication and cushioning of joints
- · Aiding in muscle contraction & tone
- · Aiding in metabolism and digestion
- · Brain function
- · Shock absorption for the spine and brain
- · Regulating temperature

Consequently, dehydration causes these functions to suffer impairing your health, ability to recover from illness, and athletic performance. As little as a 2% decrease in weight, due to fluid loss, can impair both physical and mental performance.

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Nutrition Program

PERFORMANCE NUTRITION FUNDAMENTALS



Master these 5 fundamentals and enjoy new found physical and mental performance through nutrition.

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Nutrition Program

THE BIG THREE: CARBOHYDRATE, PROTEIN, FAT

Grains: "Come Back to Earth" • Carbohydrate = FUEL for the brain & muscles

- · Main sources are: Breads, cereals, grains, beans, fruits, and vegetables.
- . What to look for in a grain: The least processed forms of grain you can find.
- · Think brown and found close to the ground!
- The best choices will have more than 3g of FIBER per serving.

The Top 5 Grains













Protein: "The Less Legs the Better" • Protein = Building blocks for our bodies

- · Protein builds muscle and maintains the immune system.
- · Main sources are: Lean Meats, Low Fat Dairy, Eggs, and Beans/Legumes.
- What to look for. Lean protein sources. Typically the less legs on the animal the protein came from, the better it is for you.
- · Try to include a lean protein source with every meal.
- Protein needs increase with activity. Intake ranges from 0.5g (recreational exerciser) to 0.8g (building muscle mass) of protein per pound of body weight. You will never need more than 1g per pound for health or muscle mass gains. The palm of your hand equals about 30-40g of protein.

The Top 5 Proteins















Fats: "Eat Healthy Fat " • Healthy Fats = Energy Density

- · Healthy Fats provide energy, help to regulate blood sugar, improve cholesterol, and keep you feeling full.
- Omega-3 fatty acids improve cognition, decrease inflammation, and enhance heart health.
 They are considered essential because your body cannot make them, you must get them through food. Omega-3's are found in fatty fish like salmon, trout, and tuna, as well as flasseed, walnuts, and omega-3 fortified foods.
- Try to get one serving of healthy fat per meal (2 total servings of fatty fish per week).

The Top 5 Fats













Nutrition Program CHOOSE YOUR FUEL EAT CLEAN



	HIGH OCTANE FUEL: 91	If the Aller Allerthe see	LOW OCTANE FUEL: 87
CARBS (GRAINS)	Beans (black kidney navy) Chickpeas Black eyed peas Brown nce Corn Green peas High fiber crackers Lentil, black bean and pea soup Low-fat refried beans Sweet potato/yam Whole grain bread Whole grain bagels Whole grain cereal Whole grain tortillas Whole grain waffles	Baked beans Baked chips Boiled new potatoes Cereal bars Corn tortillas Commeal/combread Crackers Cream of wheat Flour tortillas French bread French toast Hamburger/hot dog buns Macaroni Pancakes Pasta Pita bread Pretzels Ravioli Rice cakes Spaghetti Waffies White bread White rice	Biscurts Croissants Doughauts Fettuccini alfredo French fries Hash browns Mashed potatoes Muffins Pop tarts Refried beans Sugary cereals
PROTEIN	95% Ground beef or turke; Beans & peas Chicken white meat, skinless Deli meat (turkey ham beef) Eggs (especially omega 3 eggs) Egg whites Lean beef steak Lean ham steak Lean jerky Low-fat cottage cheese Yogurt Milk: Non-fat and 1% Nut butters: Almond/peanut Non-fried fish Tofu Trimmed pork chops Tuna (in-water) Turkey, white meat/skinless	85% Ground beef/turkey Chicken dark/skinless Milk, 2% and low-fat flavored Turkey skinless/dark Turkey bacon Turkey sausage	75% Ground beef/turkey Bacon Beef or pork ribs Bratwurst Chicken, with skin Fried chicken Fried fish/seafood Frozen pizza Ham on bone Regular cottage cheese low-fat Whole milk/chocolate milk
FAT	Avocado Flax seed and flax oil Natural almond butter Natural peanut butter Olive oil Canola oil Peanuts Pumpkin seeds Raw almonds Raw cashews Raw pistachios Raw walnuts Sunflower seeds	Butter (in smalf amounts) Dry roasted nuts/seeds Reduced for mayonnaise Reduced fat salad dressing Reduced fat sour cream Reduced fat cheese Regular peanut butter	Fried foods Honey roosted nuts/seeds Margarine Mayonnoise Ranch & other salad dressing Regular cheese Sour cream Coconut oil

Nutrition Program

EAT THE RAINBOW



Fruits and Vegetables

- · Fruits and vegetables are a great source of high fiber carbohydrates
- · Fruits and vegetables provide our body with a combination of vitamins that cannot be replicated in a supplement
- · Different colors serve different roles in the body.
- . Aim for at least 3 colors at every meal
- . Over the course of the day strive to eat 2 servings of fruit and 3 servings of vegetables.

- · Whole fruits and vegetables are best.
- . Canned and frozen fruits and vegetables can also offer healthy alternatives at a lower cost. When choosing canned fruits make sure to choose them in their own juice or water.
- . Drink fruit juice in moderation and make sure it is 100% juice. One serving of juice is equal to 4-6 oz.

COLOR CODE OF RESTORATIVE NUTRITION-

Yellow Foods: Optimizes brain functions

- · Star fruit
- Yellow pepper
- · Yellow fig
- Yellow tomato
- Golden kiwi
- Squash
- · Yellow pear
- · Sweet com

Green Foods: Rejuvenates

- * Avocado
- · Broccoli

Orange Foods: Supports skin and mucosal tissues

- Apricot
- Papaya
- Cantaloupe
- Carrots
- Nectarine



Red Foods: Supports heart and circulatory

- Red onion
- Chemies Cranberries
- Tomato/
- Strawberry
- tomato sauce
- Beets

White Foods: Enhances immune system, lymph system, and cellular recovery

- Banana
- Horseradish
- · Garlic
- Jicama • Onion
- Ginger
- · Mushrooms
- · Gobo root
- · Heart of palm

Purple Foods: Promotes microcirculation

- Blackberry
- · Eggplant
- · Blueberry
- Grapes
- Plums
- Olives
- Cabbage

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Nutrition Program

FUEL UP: "THREE EVERY THREE"



Portion Control: What is a serving size?

Choosing great foods is only half the battle to optimizing nutrition. Make sure to choose portion sizes that fit your needs.

BREADS:

- 1 Slice 100% whole wheat, rye, white, pumpernickel bread
- 2 Slices reduced calorie bread
- 1 Hot dog bun
- 4 English mutfin
- Bagel (3 inches)
- 1 Roll (small)
- 6" diameter pita bread
- 6 diameter corn or flour tortilla

VEGETABLES:

- 1c Raw vegetables
- 1c Cooked vegetable (e.g. see above for raw)
- 6oz Most vegetable juices

FRUITS:

- 1 Medium whole fruit (apple, orange, banana, etc)
- %c Applesauce unsweetened
- %c Blueberries
- 1-4c Whole strawberries
- 1c Raspberries or boysenberries
- 1c Cubed cantaloupe or honeydew
- Vic Cubed watermelon
- Vc Canned fruit (canned in water or juice)
- 12-15 Grapes
- 12 Cherries
- 2 Small plums
- 3 Dried prunes (also called "dried plums")
- 20sp Raisins or other dried fruit
- 4-6oz 100% fruit juice

CEREALS AND GRAINS:

- loz Most cold cereals (1/4 1c)
- 1-Vc Puffed cereals (e.g. puffed rice)
- Vic Cooked cereal (e.g. patmeal, pat bran, cream of wheat)
- Vc Cooked brown or white rice
- Vc Cooked enriched or whole-wheat pasta

MILK AND DAIRY

- 8oz (1c.) Nonfat or 1% milk, low fat or 1% fat chocolate milk
- 8oz (1c.) Calcium-fortified light or reduced fat soy milk
- Boz (1c.) Nonfat or 1% plain or fruited yogurt
- V.c Nonfat frozen yogurt

MEAT AND PROTEIN

- 8oz (1c.) Nonfat or 1% milk, low fat or 1% fat 3 4oz meat
- Vc Beans
- 27bsp Peanut butter
- 2 Eggs
- Vic Cottage cheese

1tsp = 1 Teaspoon 1Thsp = 1 Tablespoon 1c = 1 Cup 1oz = 1 Ounce

QUICK TIPS:

- 3-4oz, of meat is about the size and thickness of a deck of playing cards.
- A medium sized piece of fruit is the size of a tennis ball.
- · 1oz of cheese is about the size of four stacked dice.
- · Ye of ice cream is the size of a tennis ball.
- 1c of mashed potatoes is the size of your fist (depending on your size; commonly the size of a female fist).
- 1oz of nuts should fit into the small of your hand.
- 1tsp of margarine or butter is about the size of the tip of your thumb.



Nutrition Program

HYDRATION NEEDS



DAILY HYDRATION NEEDS

- · Water should be your main source of hydration.
- Avoid drinking soda, energy drinks, and fruit drinks. These beverages provide a lot of calories with very little nutritional value.
- Limit sweetened teas and coffee drinks with added sugar and cream.
- · Only choose sports drinks before, during, and after intense exercise.

Are you hydrated?

- . If you are thirsty, it is too late
- · Evaluate your urine. It should be light in color and resemble pale lemonade

To maintain hydration drink water:

* 0 5 - 1oz fluid per pound per day [There are about 33oz in a liter (L)]

BODY WEIGHT	OUNCES OF FLUID PER DAY	LITERS NEEDED PER DAY
120 pounds	60 - 120 oz	2 - 4 liters/day
150 pounds	75 – 150 oz	2.5 – 5 liters/day
175 pounds	90 – 175 oz	3 - 6 liters/day
200 pounds	100 - 200 oz	3 5 - 7 liters/day
225 pounds	115 - 225 oz	4 – 8 liters/day
250 pounds	125 – 200 oz	4.5 - 9 liters/day

HYDRATION CONSIDERATIONS IN EXTREME ENVIRONMENTS

In extreme environments it is even more important to be aware of your fluid intake, fluid loss and electrolyte needs.

Key Nutrition Tips for Extreme Environments:

- · Do not skip meals.
- · Take time to drink.
- Maximize taste/palatability (temperature, sweetness) of your beverage. If it tastes great, you are more likely to drink it.
- · Minimize body water losses.
- Consider engineered food products when cramping risks are high, if you are a salty sweater, or if you are sweating more than usual.
 Choose sports drinks with at least 110mg sodium and 30mg potassium per 8oz/250ml. These are ideal for replacing electrolytes fost in sweat.
- If you are an excessively salty sweater (salty skin), then 200mg sodium per 8oz or added electrolytes should be considered. (Nuun Tablets, Gator-Lytes, etc...)
- . Include whole foods in your meals that are higher in sodium. Good options are V8 Juice, pickles, pretzels, adding a little extra salt to your meals

ENVIRONMENT	CONSIDERATION	HYDRATION RECOMMENDATIONS
Ory Extreme Heat	The extreme dry heat greatly increase the risk for dehydration and heat injury.	Suggested Fluid Intake: 5.12 Liters/day Tips: Sweating rates can be reduced by working at night. During daylight hours, sweating rates can be reduced by covering the skin with light, vapor-permeable clothing. If and when possible, drink COLD water and sports drink.
Het and Humid	Relative humidity can increase water requirements independent of temperature. The humidity makes the evaporation of sweat off the skin difficult, which decreases the body's ability to cool itself. This increases the nsk for dehydration and heat exhaustion. Excessive sweating can also cause a large loss of electrolytes, specifically sodium and potassium.	Suggested Fluid Intake: Up to 2x needs of Extreme Dry Heat Flps: If and when possible drink COLD water and sports drink
Aititude	Alutude puts us at greater risk of dehydration. More fluid is lost through our unne and breathing. Layers of clothes may cause us to sweat more with little evaporation. The elevation also causes us to not feel as thirsty.	Suggested Fluid Intake: 4-6 Liters/day Tips: Drinking small quantities of fluid frequently results in less unne production than drinking large quantities of fluid less frequently
Altitude and Cold	The addition of cold to altitude can cause greater risk for dehydration because of the sweat losses that occur in insulated clothing, low rates of fluid ingestion, and concern of having to remove clothing to urinate	Suggested Fluid Intake: 5 5-7.5 Liters/day Tips: Make sure to consider the ventilation for your clothing to allow for sweating to dissipate heat. Drinking small quantities of fluid frequently results in less urine production than drinking large quantities of fluid less frequently. If and when possible consume hot fluids, tea, chicken/vegetable broth.

Nutrition Program

HYDRATION URINE CHART



Check the color of your urine as a good indicator of your hydration status.

Hydrated

Dehydrated

Extremely Dehydrated (consult a doctor)

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Nutrition Program

DON'T WASTE YOUR WORKOUT



Recovery in 3's: Pre, During, and Post-Workout

Pre Workout

Don't go into your workout on an empty stomach.

Top off your fuel tank with a small balanced snack containing carbohydrate, fluid, and a small amount of protein approximately, 1-2 hours before your workout.

Going into a workout properly fueled will improve performance and jump start recovery

Great pre-workout snacks include:

- 1 Yogurt with 1/ cup berries and 1/1 cup high fiber cereal
- · Small bowl of cereal with a banana
- · 1/ turkey sandwich and fruit
- · 1/2 peanut butter & jelly sandwich and fruit
- · Homemade trail mix. (1c high fiber cereal, 2 Tablespoons dried fruit, 2 Tablespoons nuts)

Make sure to hydrate with 16-20 oz of water too.

During Workout

It is important to stay hydrated during exercise

How much do you need to drink?

- Losing 2% or more of your body weight due to sweating can decrease your performance and put you at greater risk for heat Illness
- A good way to monitor how well you are hydrating is to weigh yourself before and after training

Do you need a sports drink?

NO, If ...

- Training for less than 1 hour
- · Weight loss is the goal of the training session

YES, If ...

- · Training for over an hour
- . Training in extreme environments
- . Lean body mass gain is the goal
- · You enter the workout without any fuel
- . You have a short but extremely intense workout

GENERAL HYDRATION GUIDELINES DURING WORKOUTS:

Maintain Hydration

- Keep weight loss to less than 2% during the workout.
- Take 4-6 gulps of fluid about every 15 minutes.
- Pay extra attention to your hydration when you are sweating more than usual or in an extreme environment.

Maintain Fuel and Electrolytes

- When you need something more than water, choose a sports drink with at least 110mg of sodium per 8 ounces to help prevent cramping and maintain electrolytes.
- When your exercise level warrants the consumption of a sports drink, 20-32oz an hour is all you will need to keep you fueled. Balance the rest of your hydration needs with water.

Hydration Example: 150 pound Peace Officer

- · 2% of their body weight is 3 pounds.
- If this Officer loses more than 3 pounds during their training, they are not hydrating effectively.

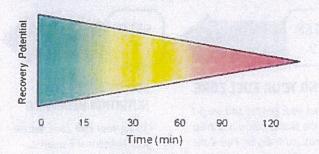
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Recovery in 3's: Pre, During, and Post-Workout

- Post Workout
- The sooner you get your post workout nutrition, the quicker you recover.
- Your recovery snack or meal such as a granola bar with at least 5g of protein or a fruit smoothie – makes up one of your 5 - 6 meals per day.

THE OPEN WINDOW OF OPPORTUNITY TO GET YOUR BODY THE NUTRIENTS IT NEEDS FOR RECOVERY.



- Re-Fuel
- · Re-Build
- Re-Hydrate

Within 10 minutes of training:

- **1. Refuel with carbohydrate** The more intense the training, the more carbohydrate you need.
- 2. Rebuild with protein Protein needs post workout are based on body weight.
- 3. Rehydrate with fluid Drink 20-24oz of fluid for each pound lost during training.

What do you need to recover?

BODY WEIGHT (POUNDS)	GRAMS OF PROTEIN	GRAMS OF CARBOHYDRATE
120 - 150	15 - 20	30 - 60
150 - 180	20 - 25	40 - 75
181 - 215	25 - 30	50 - 90
215 - 245	30 - 35	60 - 105

Examples:

- 20oz low-fat chocolate milk + banana
- Turkey and pasta salad
- Tuna sandwich w/baked chips
- Meal replacement bar + 20oz sports drink
- Scrambled eggs or egg whites with whole wheat toast and 6oz juice
- Turkey sandwich + yogurt
- Spaghetti and meatballs
- Fruit smoothle blended with yogurt or whey protein

Nutrition Program

STRENGTH SERIES | ENDURANCE SERIES | SANDBAG TRAINING SERIES

The biggest barriers to great nutrition are poor planning and poor implementation. The nutrition blueprint and meal builder make it easy to build meals and snacks that will keep you fueled and help you reach your goals. This tool will help you stay organized and create an environment for success. Always remember the 80/20 rule as you look to sustainably upgrade your nutrition. Choose high octane fuel 80% of the time and lower octane fuel that you really enjoy 20% of the time.

BUILD YOUR MEAL IN 4 SIMPLE STEPS



IDENTIFY YOUR GOAL

- I will lose weight
- I will maintain weight
- I will gain weight



FIND YOUR FUEL ZONE

 Find your gender and weight in the tables below and map across to find your Fuel Zone



LOCATE YOUR NUTRITION BLUEPRINT

 Using your Fuel Zone, locate your Nutritional Blueprint.
 This will guide you to building meals and snacks that are right for you.

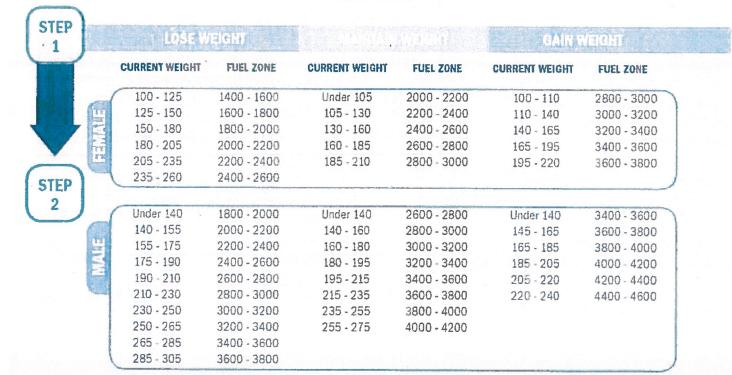


BUILD YOUR MEALS & SNACKS

- Go to the Meal Builder Food List
- With your Nutritional Blueprint, use the Meal Builder Food List to build your meals and snacks

SET YOUR GOAL, FIND YOUR FUEL ZONE

I WILL FUEL TO ...







Locate Your Nutrition Blueprint - Strength, Endurance, Sandbag Series
Using the Fuel Zone you identified in Steps 1 & 2, locate your personal Nutritional Blueprint to fit your caloric needs. Your blueprint has six columns across the top that represent meal times, or "fueling times". The food groups are represented along the left hand side, and the numbers located within the zone are the recommended number of servings from each food group at each fueling time.

1400 - 1600	BREAKFAST	SNACK.	LUNCH	SHACE	DANCE	SHACE
Grains	2	1	1 to 2		1 to 2	
Proteins	1		1		1	1
Fruits	0 to 1	1	1	1	1	1
Vegetables	LX)	(x)	CAD	ω	(33)	(x)
Fats	1	1	1	1	1	0 to 1
Calorie Range	350 400	1/5-200	280 - 320	175 - 200	280 - 320	140 - 160
*Meal Replacement Shake or Bar		1		1+ hunt		1

1600 - 1800	BREAKFAST	SPIACH	LINGS	SNACK	THREE	WALK
Grains	2	1 to 2	2	1 to 2	2	
Proteins	1		1		1	1
Fruits	1	1	1	1	1	1
Vegetables	(10)	cu .	w	(1)	603	ω
Fats	1	1	1	1	1	1
Calorie Range	400 450	200 - 225	320 - 360	200 - 225	320 - 360	160 - 180
*Meal Replacement Shake or Bar		t		1+ fruit		1

1800 - 2000	BREAHFAST	SMACK	LUNCH	SNACK	District R	SNACA
Grains	2 to 3	1 to 2	2	1 to 2	2	
Proteins	1	0 to 1	1	0 to 1	1	1
Fruits	1 to 2	1	1 to 2	1	1	1
Vegetables	ON	cus	END	(X)	(x)	00
Fats	1	1	1	1	1	1
Calorie Range	450 - 500	225 - 250	360 - 400	225 - 250	360 - 400	180 - 200
*Meal Replacement Shake or Bar		1+ foot		1 • 2 fruit		1

2000 - 2200	ENERGE AND ART	SHACK	LUNCS	SNACK	CHMILE	SHALK
Grains	3	2	2	2	· 'y	0 to 1
Proteins	1	0 to 1	1	0 to 1	1	1
Fruits	2	1	2	1	2	1
Vegetables	413	cu	OO	003	æ	cas
Fats	1	1	1	1	1	1
Calorie Range	500 550	250 275	400 - 440	250 - 275	400 440	200 - 220
*Meal Replacement Shake or Bar		1+ hut		1+ 2 fruit		1 · fruit

2200 - 2400	PRACTICAL PROPERTY.	SNACK	LUNCH	SWACK	EMMEN	SMAGA
Grains	3	2	2 to 3	2	2 to 3	1
Proteins	1 to 2	1	1	-1	1	1
Fruits	2	1	2	1	2	1
Vegetables	ω	ເຄ	ω	ći.	ou .	663
Fats	1	1	1	1	1	1
Calorie Range	550 600	275 - 300	440 480	275 300	400 440	200 - 220
Meal Replacement Shake or Bar		1+ truit		1+2 from		1 · hun

2400 - 2600	BREAKEAST	SHACK	LUNCH	SEVACIA.	DINNET	SHACK
Grains	3	2	3	2	3	1
Proteins	2	1	1	1	1	1
Fruits	2	1	2	1	1 to 2	1
Vegetables	w	ω	ω	us	uo	w
Fats	1	1 to 2	1	1102	1	1
Calorie Range	600 - 650	300 - 325	480 - 520	300 325	480 - 520	240 - 260
*Meal Replacement Shake or Bar		1+fruit +1 fat		142 from +1 fai		1+ fruit +1 fat

2600 - 2800	UREAKFAST	SNACK	LUNCH	SNACK	DiffER	SHACK
Grains	3	2	3	2	3	1
Proteins	2	100 100	1	1	1 to 2	1
Fruits	2	1	-2	1	2	1 to 2
Vegetables	α	m	ω	(x)	ω	OU
Fats	1 to 2	1 to 2	1 to 2	1 to 2	1	1
Calorie Range	650 700	325 - 350	520 560	325 - 350	520 - 560	260 280
Meal Replacement Shake or Bar		1+ fmit + 1 fat		1+2 frut + 1 fat		1+ fruit +1 f.:

2800 - 3000	BREAKTAST	SNACK	LUMCH	SHACK	DIMITER	SHADIL
Grains	J	2	3	2	34	1
Proteins	2	1	1	1	2	1
Fruits	2 to 3	1	2	1	1 to 2	2
Vegetables	663	(x)	OU)	(II)	co	w
Fats	2	1 to 2	2	1 to 2	1	1
Calorie Range	700 750	350 375	560 - 600	350 375	560 - 600	280 300
*Meal Replacement Shake or Bar		1+funt+1 lat		1+2 hut +1 fat		1+ front +1 fat/

*Meal Replacement Shake or Bar		1+ Inut + 1 tat		1+2 front +1 fat		1 + trut + 1 fat
Calorie Range	750 -800	375 400	600 - 640	375 - 400	600 .640	300 320
Fats	2	1 to 2	2	1 to 2	1 to 2	1
Vegetables	(A)	(1)	143	(N)	4.83	133
Fruits	3	1	2 .	1	2	2
Proteins	2	. 1	1 to 2	1	2	1
Grains	3	2	:3 -	2	- }	1 to 2
3000 - 3200	MENERS	SMACK	LHACH	SHACE	DEVENTED	SHARE.

*Meal Replecement Shake or Bar		1+2 huit +1 fat		1+2 hunt +1 fat		1+2 fruit + 1 ta
Calorie Range	800 - 850	400 -425	640 - 680	400 - 425	640 680	320 - 340
Fats	5	1 to 2	2	1 to 2	2	1
Vegetables	(4)	(1)	1,37	cu)	123	(11)
Fruits	.3	1	2	1	2	2
Proteins	2	1	2	1	2	1
Grains	3 to 4	2	:1	7	13	2
3200 - 3400	SHEARFAST	SHACK	Trittest	SHACK	DITANER	SHARK

*Meal Replacement Shake or Bar		1+2 fruit +1 fat		1+2 front +2 fait		1+2 fruit + 1 fa
Calorie Range	850 - 900	425 450	680 720	425 - 450	680 720	340 - 360
Fats	2	1 to 2	2 to 3	1 to 2	2	1 to 2
Vegetables	w	w	4,0,2	(A)	6.8.9	ຄນ
Fruits	3 to 4	1	2	1	2	2
Proteins	2	1	2	1	2	1
Grains	4	2 to 3	7.5	2 to 3	3 10 4	2
3400 - 3600	MITALE AST	SHARK	INGH	SHACK	明智能表	*NASA

*Meal Replacement Shake or Bar		1+2 mut +1 tar		1+2 huit +2 fat		1+2 hut +1 fat
Calorie Range	900 - 950	450 - 475	720 - 760	450 475	720 - 760	360 - 380
Fats	2 to 3	1 to 2	.*\$	1 to 2	. 2	1
Vegetables	(30)	QD.	(x)	(4,)	(II)	(A)
Fruits	4	1	2	1	2	2
Proteins	2	1	2	1	2	1
Grains	4	2 to 3	3 to 4	2 to 3	4	2
3600 - 3800	HEEAKFASI	SHACK	LUNCH	\$48.64L	SHEETEN .	BRACK

COACH TIP:

Remember, the biggest barriers to great nutrition are poor planning and poor implementation. Stay organized and do what you can to create an environment for success. To get you started, make a copy of your Nutrition Blueprint and put it somewhere you'll have easy access to when making fueling decisions, like in your wallet or on your fridge.

*Meal Replacement Shake or Bar		1+2 from + 1 fat		1+2 hut +2 fat		1 +2 from +1 fat)
Calorie Range	950 - 1000	475 - 500	760 - 800	475 - 500	760 - 800	380 - 400
Fats	:}	1 to 2	31	1 to 2	2	1102
Vegetables	683	(23)	00	CAD	1.8.1	443
Fruits	4	. 1	2	1	2	2
Proteins	2	1	2	1	2	1
Grains	4	3	4	31	4 tn 5	2
3800 - 4000	HAF ANY AST	MACS.	LUNCH	SHACE	DHINEH	SYACK

*Meal Replacement Shake or Bar		1+2 fmi1+2 fat		1+2 fruit +2 fat		1+2 fruit +2 tal
Calorie Range	1000 - 1050	500 - 525	800 - 840	500 - 525	800 - 840	400 - 420
Fats	3	2	13	2	2	1 to 2
Vegetables	0.3	48)	(x)	(21)	(x)	603
Fruits	4	1	2	1	2	2
Proteins	2	1	2	1	2	1
Grains	4	3	4	3	4 to 5	2
4000 - 4200	FRYXXXXX	SHAP I	LUHCH	SHACK	DAMMER	SHACK

*Meal Replacement Shake or Bar		1+2 mit +2 fat		1+2 hun +2 fai		1+2 frut +2 fai
Calorie Range	1050 - 1100	525 - 550	840 - 880	525 - 550	840 - 880	420 - 440
Fats	3	2 to 3	3	2 to 3	2	1 to 2
Vegetables	CX3	150	(30	8.83	¢D.	KEB
Fruits	4	1	2	1	2	2
Proteins	2	1	2	1	2	1
Grains	4	13	4	3	5	2
4200 - 4400	BETTALLOST	Shark	LUNCH	SHACK	SWIER	SHACK

*Meal Replacement Shake or Bar		1+2 mic+2 fai		1+2 fruit +2 fat		1+2 tour +2 far
Calorie Range		550 - 575	880 - 920	550 - 575	880 - 920	440 - 460
Fats	3	2 to 3	3	2 to 3	2	1 to 2
Vegetables	ω	00	630)	(E)	exs	cx3
Fruits	4	1	2	1	2	2
Proteins	2	1	2	1	2	1
Grains	4		440.5	23	5	2
4400 - 4600	SHEARIAST	PARKER	Lunca	SHACK	DMMIR	SNACK

*When choosing meal replacements:

- 1. Make sure it fits within your calorie recommendations
- 2. Should have at least 3g of fiber
- 3. Should have 10 30g of protein for women
- 4. Should have 15 42g of protein for men

STRENGTH SERIES | ENDURANCE SERIES | SANDBAG TRAINING SERIES

STEP 4

Build Your Meals & Snacks

Using your Nutritional Blueprint, follow the directions below to start filling your day with meals and snacks designed to help you with your goals

Map Your Blueprint

The food list below has foods from each of the categories found in your Nutrition Blueprint

Size Up Your Servings

The number to the left of each food item equals one serving leg. 1 slice of whole wheat bread = 1 grain serving).

Mix It Up

Each serving may be used interchangeably. For example, if you tire of whole wheat toast at breakfast you can replace it with any of the foods listed in the grain column. If you have more than one serving suggested, you can double up on the same food (eg. 2 slices of whole wheat toast) or mix and match (eg. 1 slice of whole wheat toast and 3/4c Multi grain Cheerios). You are limited only by your creativity!

You are now prepared to build customized meals and snacks to help you meet your goals. These meals and snacks will provide you with sustainable fuel throughout the day as well as the energy you need for your workouts. Remember, to maximize your energy and reach your body composition goals, think about both quality and quantity of your food choices

GRAINS/STARCHES

Pasta/Rice

Brown Rice (cooked)

Whole Wheat Cous Cous (cooked)

Whole Wheat Pasta (cooked)

Risotto, Quinoa (cooked)

Breads/Tortillas/Rolls

1stice Bread (100% Whole Wheat)

Pita Bread (6' diameter each)

Whole Wheat Bagel

English Muffin Whole Wheat Hamburger/

Hot dog Bun

Sub Bread to each

Whole Wheat Tortilla

1 Corn Tortillas

Whole Wheat Roll (for each)

Cold Cereals

All Bran Cereal

Cheenos Cereal

Cheerios MultiGrain Cereal

Cracklin Oat Bran Cereal

Frosted Mini Wheats Cereal

Grape Nuts Cereal

Kashi Go Lean Cereal Kashi Go Lean Crunch Cereal Kashi Go Lean Honey

Almond Flax

Muesli Cerea

Raisin Bran Cereal

Smart Start Cereal

Special K Cereal

Whole Wheat Total Cereal

Hot Cereals

Cream of Wheat roosken;

Instant Grits

Packet Kashi Instant Catmeal

Packet Quaker Instant Oatmeal

Slow Cooked Oatmeal

Veggles, Beans, Potatoes

Soy Beans (cooked) Split Peas(cocked)

Squash (winter action butternut)

Peas (cecred) Baked Potato

Beans Black Kidney, Pinto

Lima, Lentils (cooked/canned)

Corn (cooked)

Ear of corn

Sweet Potato (cooked)

Yam (cooked)

Mashed Potatoes

Snacks/Crackers/Granola Bars

Kashi Granola Bar

Graham Crackers

Whole Wheat Crackers (paked)

Whole Wheat Melba Toast

Nature Valley Granola Bar Animal Crackers

Light Popcorn (pepped)

Pretzels

Rice Cakes [4" diameter each)

Reduced Fat Triscuits

Whole Grain Fig Newton

PROTEINS / DAIRY:

Fish/Seafood

Fish

30 Cod

301 Flounder 302 Haddock

300 Halibut

Salmon

30 Shrimp

300 Trout

300 Tuna

Poultry
3er Chicken (lenen meal)

Ground turkey (speked

Turkey (Einch meal)

Turkey breast

Beef/Pork

Beef (96% lean ground chuck) 302

1 502 Beef jerky

Beef tenderloin

300 London brail

Pork (gulled) 30

Roast beef (lunch maat)

Dairy

1% or non-fat regular milk 82

or chocolate milk

Non-fat or low fat cottage cheese

Non-fat frozen yogurt Non-fat or low fat greek yogurt

Reduced-fat soy milk

2% String cheese

Eggs

Egg Substitute Egg Whites

Omega-3 Eggs

Beans: Black, Kidney, Pinto. Lima, Lentils (cooked/carned)

Calcium-fortified light soy milk

Hummus

Soy beans rocked:

Split peas

Almond butter

13 Peanut butter (natural) 10 15 Raw nuts

MEAL REPLACEMENTS/PROTEIN

POWDERS: 1-2 scoop Whey Protein*

Bar

Shake

"Make sale to choose protein conduct that are certified safe and reliable. Check out wire asispers man for a complete list

Meal replacement considerations:

Make sure it fits within your

calorie recommendations Should have at least 3g of fiber

Double check the protein level - Women need 10-30g

Men need 15-42g

VEGETABLES:

Green

Arugula

Asparagus (mokeu) Asparagus (law)

Broccoli (cooked)

Broccoli traws

Brussel sprouts 1

Celery (cooked)

Cellery (raw)
Collards (cooked) 1.

10 Cucumber travit

Green beans (cooked)

Green beans traw Green veggie salad

Kale naw

Lettuce (all)

10 Spinach (can)

White

Cabbage (cooked:

1 Cabbage (raw)

Cauliflower (cooked)

10 Cauliflower (raw)

Onions (cookert)

Onions (raw)

Water chestnuts (cooked) Water chestnuts (raw)

10

Red

Tomato, beets

Salsa, tomato sauce

Orange

Carrots (cooker) Carrots (raw) 16

Mixed Colors

Peppers (acored Penners (raw)

Stir fry vegetables (cocked) Stir fry vegetables (saw/scaen)

Vegetable juice

Zucchini (ccoked)

Zucchini (raw) FRUITS

30 of

Red

Apple Applesauce (unsweetened) Chernes

12 Raspberries

1% Strawberries (whole) Watermelon (cubed) Vic Grapefruit

SOURCE: WWW.NAVYFITNESS.ORG

Orange Cantaloupe (cubed) 18

Orange, nectarine or peach

1m 11g Tangerine

Yellow

Banana(s) Pineapple chunks (in own juice)

Blue/Purple

Blackberries or boysenberries Blueberries 1c · Y . .

14 Granes

Plums 25m Prunes (dried plums)

3 21 Raisins

Green Honeydew melon (cubed) 1500

Mixed Colors

Kiwi fruit

Dried fruit

Fresh fruit salad Fruit cocktail (own juice)

Fruit juice (100% juice)

Mixed berries (fresh/frozen)

FATS (CHOOSE OFTEN):

11 Nut butters. Almond, peanut, etc.

10-15 Nuts: Almonds, walnuts, pecans % Avocado

120

Black or green olives Plant oils, olive, canota, flax 1.5: Flax seeds

Hummus

Seeds: Pumpkin, sesame, sunflower

31 Guacamole 21 Smart Balance, Benecol

FATS (CHOOSE LESS OFTEN)

Butter (stick)

1 oz Cheese I show Cheese

Cream cheese 4 Half & Half

21 Mayonnaise

Reduced fat cream cheese 41 Reduced-fat sour cream

2 Sour cream 2% String cheese

Turkey bacon slice Turkey sausage link Commercial salad dressings

= 1 Teaspoon 17 = 1 Tablespoon

sm. - Small med = Medium

ic = 1 Cup

ing = 1 (unc:

= Large