



N A S C S P

NATIONAL ASSOCIATION FOR STATE COMMUNITY SERVICES PROGRAMS

Health & Safety Plan



Health & Safety Plan

□ Health & Safety is defined in WPN 12-9 as:

Health & safety measures are those actions necessary to maintain the physical well being of both the occupant and/or weatherization workers where the actions MUST be taken to effectively perform weatherization work or the actions are necessary as a result of weatherization work. Grantees are required to identify health and safety procedures and an estimate with rationale for the percentage of costs involved as a part of their own Health & Safety Plan to be approved by DOE.



DOE Guidance



□ WPN 11-6 Weatherization Health & Safety Guidance

- Costs are reasonable as determined by DOE in accordance with the Grantee's approved Grantee Plan; AND
- The actions must be taken to effectively perform weatherization work; OR
- The actions are necessary as a result of weatherization work.

➤ Two questions are:

- What must we do within reasonable costs to get the home to a point we can go forward with weatherizing, where the weatherization work will be lasting and effective?
- What must we do to ensure that the weatherization work we conducted does not create a health or safety problem for the occupant?



DOE Guidance

□ Program Operations or Separate H&S Budget Category

- Regulations do not mandate a separate health and safety budget cost category
- Separate category excludes costs from the average per-unit cost calculation
- If health and safety costs are budgeted and reported under the program operations category, they must be cost-justified through the audit
- **DOE encourages separation of these costs**

Section B - Budget Categories						
Object Class	Grantee Administration	Sub-grantee Administration	Grantee T&TA	Program Operations	Health & Safety	Total
Personnel	\$116,726.00	\$0.00	\$329,408.00	\$0.00	\$0.00	\$446,134.00
Benefits	\$45,944.00	\$0.00	\$135,857.00	\$0.00	\$0.00	\$181,801.00
Travel	\$5,456.00	\$0.00	\$86,201.00	\$0.00	\$0.00	\$91,657.00
Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Supplies	\$3,000.00	\$0.00	\$7,500.00	\$0.00	\$0.00	\$10,500.00
Contract	\$0.00	\$345,105.00	\$0.00	\$2,483,915.00	\$621,600.00	\$3,450,620.00
Construction	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other	\$2,900.00	\$0.00	\$61,000.00	\$0.00	\$0.00	\$63,900.00
Total	\$174,026.00	\$345,105.00	\$619,966.00	\$2,483,915.00	\$621,600.00	\$4,244,612.00
Indirect	\$31,233.00	\$0.00	\$89,331.00	\$0.00	\$0.00	\$120,564.00
Object Class Total	\$205,259.00	\$345,105.00	\$709,297.00	\$2,483,915.00	\$621,600.00	\$4,365,176.00

DOE Guidance

- WPN 12-9 WAP Incidental Repair Measure Guidance
 - Defined as: Measures deemed necessary for the effectiveness of one or more ECM.
 - Must identify the EMC that require the installation of the repair
 - Must be included in total costs to determine cumulative SIR
 - List of measures identified as repair
 - Include in H&S Plan
- Use the H&S Plan Template from WAPTAC website
 - Not required – strongly recommended
 - Makes it easier to cover all H&S issues

Health & Safety Budget

- Typically up to 15% of Program Operations
- Can be more than 15%, but that triggers further DOE review
- Covers:
 - ASHRAE 62.2-2013 Compliance
 - Lead Safe Weatherization
 - Lead Renovate Right
 - Mold Awareness & Moisture
 - Asbestos
 - Knob and Tube
 - Combustion & Carbon Monoxide
- Must be able to justify cost percentage



Health & Safety



- Look at the whole house
- Complete all measures
 - Called for in Audit, AND
 - ALL H&S measures
 - Ability to blend funds or co-fund projects
 - Builds the database to prove actual H&S costs



Justification

□ Historical Data

- Database
- Sorted by item and cost category
- Separate H&S measure from EE measure
 - Heating system replacement
 - Water heater replacement

□ Calculate Costs by Measure

- Total amount spent per measure
- Total number/percent of homes receiving that measure
- Average cost of measure by house
- Calculated cost per house of each H&S measure



Justification



N A S C S P

- Example of coding used to indicate measure cost category

SEQ	WorkItem	CAT	CostCategory
9110	Furnace replacement - gas/oil - 80%	H00.00	H
9120	Furnace replacement - gas/oil - 92%	H00.00	H
9121	Furnace Replacement - gas/oil - efficiency	F20.00	F
9130	Furnace replacement - electric	H00.00	H
9131	Electric baseboard heater	H00.00	H
9132	Furnace replacement - electric - efficiency	F00.00	F
9140	Boiler replacement	H00.00	H
9141	Boiler replacement - efficiency	F20.00	F
9150	Space heater replacement	H00.00	H
9160	Heat pump replacement	H00.00	H
9161	Heat pump replacement - efficiency	F20.00	F
9170	Heating System Replacement - Utility Funds	F20.00	F



Average Health and Safety Costs - 2014

Total 1667 Completions

Work Item	# Homes Receiving Measure	Total Cost	Average Cost	% of Homes Receiving Measure	Health & Safety Cost per Home
Vapor/moisture barrier	733	208,486	284.43	43.971%	125.07
Pressure balancing	247	17,418	70.52	14.817%	10.45
Guttering/grading	37	13,706	370.43	2.220%	8.22
Electrical repair	111	35,476	319.60	6.659%	21.28
Dehumidifier	9	2,098	233.11	0.540%	1.26
Sumps	20	12,671	633.55	1.200%	7.60
Plumbing repair	107	33,165	309.95	6.419%	19.90
Minor asbestos removal	4	4,850	1,212.50	0.240%	2.91
S-fuses K&T wiring	9	822	91.33	0.540%	0.49
Water heater replacement	607	710,559	1,170.61	36.413%	426.25
Water heater repair	130	15,462	118.94	7.798%	9.28
Water heater venting	370	76,835	207.66	22.196%	46.09
Mechanical ventilation	1383	1,014,317	733.42	82.963%	608.47
Dryer venting	1011	98,641	97.57	60.648%	59.17
CO alarm	1468	82,831	56.42	88.062%	49.69
Smoke alarm	1037	52,059	50.20	62.208%	31.23
LP alarm	54	3,117	57.72	3.239%	1.87
Appliance safety checks	249	31,739	127.47	14.937%	19.04
Misc health & safety repairs	190	44,231	232.79	11.398%	26.53
Heating system replacement	417	1,042,106	2,499.06	25.015%	625.14
Furnace repairs	393	194,159	494.04	23.575%	116.47
Furnace venting	564	137,535	243.86	33.833%	82.50
Heat source damming	772	37,739	48.88	46.311%	22.64
Gas line repair	90	14,230	158.11	5.399%	8.54
Lead safe work	857	237,305	276.90	51.410%	142.35
Total Average H&S Per House					2,472.44
				\$2472/\$7105 =	35%



Justification



- H&S measures are not limited except:
 - Plumbing repair
 - Electrical repair
 - Guttering/grading
 - Dehumidifier
 - Sump pumps
 - Pest control
 - Minor asbestos removal

- Limited to \$1,500 cumulative cost per house

Questions?

Visit www.nascsp.org for
more resources and information.



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