

**U.S. Department of Energy
WEATHERIZATION ASSISTANCE PROGRAM (WAP)
WEATHERIZATION ANNUAL FILE WORKSHEET**

(Grant Number: EE0006164, State: MO, Program Year: 2016)

IV.1 Subgrantees

Subgrantee (City)	Planned Funds/Units
01-Community Services, Incorporated of Northwest Mo. (Maryville)	\$198,761.00 26
02-Delta Area Economic Opportunity Corporation (Portageville)	\$188,453.00 28
03-East Missouri Action Agency (Park Hills)	\$218,867.00 48
05-Economic Security Corporation of Southwest Area (Joplin)	\$213,241.00 60
06-Green Hills Community Action Agency (Trenton)	\$111,158.00 15
07-Central Missouri Community Action (Columbia)	\$270,068.00 33
08-Urban League of Metropolitan St. Louis (St. Louis)	\$376,190.00 45
09-Jefferson-Franklin Community Action Corporation (Hillsboro)	\$208,416.00 40
11-Community Action Agency of St. Louis County (Overland)	\$538,512.00 108
12-Missouri Ozarks Community Action, Inc. (Richland)	\$233,136.00 33
13-Missouri Valley Community Action Agency (Marshall)	\$178,484.00 36
14-North East Community Action Corporation (Bowling Green)	\$309,563.00 36
15-Northeast Missouri Community Action Agency (Kirksville)	\$87,542.00 13
16-Ozark Action, Inc. (West Plains)	\$159,741.00 26
17-Ozarks Area Community Action Corporation (Springfield)	\$534,222.00 75
18-South Central Missouri Community Action Agency (Winona)	\$150,331.00 30
19-West Central Missouri Community Action Agency (Appleton City)	\$210,590.00 24
36-United Services Community Action Agency (Kansas City)	\$645,744.00 278
Total:	\$4,833,019.00 954

IV.2 WAP Production Schedule

Weatherization Plans	Units
Total Units (excluding reweatherized)	932
Reweatherized Units	22

Note: Planned units by quarter or category are no longer required, no information required for persons.

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Average Unit Costs, Units subject to DOE Project Rules		
<i>VEHICLE & EQUIPMENT AVERAGE COST PER DWELLING UNIT (DOE RULES)</i>		
A	Total Vehicles & Equipment (\$5,000 or more) Budget	\$0.00
B	Total Units Weatherized	932
C	Total Units Reweatherized	22
D	Total Dwelling Units to be Weatherized and Reweatherized (B + C)	954
E	Average Vehicles & Equipment Acquisition Cost per Unit (A divided by D)	\$0.00
<i>AVERAGE COST PER DWELLING UNIT (DOE RULES)</i>		
F	Total Funds for Program Operations	\$3,380,275.00
G	Total Dwelling Units to be Weatherized and Reweatherized (from line D)	954
H	Average Program Operations Costs per Unit (F divided by G)	\$3,543.27
I	Average Vehicles & Equipment Acquisition Cost per Unit (from line E)	\$0.00
J	Total Average Cost per Dwelling (H plus I)	\$3,543.27

IV.3 Energy Savings

Method used to calculate savings: <input type="checkbox"/> WAP algorithm <input checked="" type="checkbox"/> Other (describe below)			
	Units	Savings Calculator (MBtus)	Energy Savings
This Year Estimate	954	N/A	25323 *
Prior Year Estimate	735	N/A	19510 *
Prior Year Actual	817	N/A	0 *
* Energy Savings values were manually entered.			
Method used to calculate savings description:			
<p>The Missouri Department of Economic Development/Division of Energy (DED/DE) estimates that, for the Program Year 2016/2017 funding, a total of 954 homes will be weatherized. For these homes, it is estimated that 25,323 mmBtu/year of energy will be saved.</p> <p>Method for calculating energy savings is as follows:</p> <p>For determining the energy savings by fuel type, data from the Oak Ridge National Laboratories' report "Estimating the National effects of the US Department of Energy's Weatherization Assistance Program with State Level Data: A Metaevaluation Using Studies from 1993 to 2005" (ORNL/CON-493).</p> <p>Average energy savings for gas heated homes 30.5 mmBtu/yr/home</p> <p>Average energy savings for electric heated homes 6.6 mmBtu/yr/home</p> <p>Average energy savings of electricity for non heating purposes 2.1 mmBtu/yr/home</p> <p>Average energy savings for homes with combined gas heating and electric baseload savings 32.6 mmBtu/yr/home</p> <p>Data collected from the Missouri Weatherization agencies, Homes Complete Summary PY 2008.</p> <p>Percent of homes with electric savings only 22%</p> <p>Percent of homes with gas savings only 16%</p> <p>Percent of homes with both gas and electric savings 62%</p> <p>.22 x 954 homes x 6.6 mmBtu/yr/home = 1,385 mmBtu/yr</p> <p>.16 x 954 homes x 30.5 mmBtu/yr/home = 4,656 mmBtu/yr</p>			

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.62 x 954 homes x 32.6 mmBtu/yr/home = 19,282 mmBtu/yr

Estimated PY 2016/2017 savings 25,323 mmBtu/yr

IV.4 DOE-Funded Leveraging Activities

Federal regulations allow weatherization funds to be used for leveraging activities. Under leveraging, subgrantees work at developing relationships with utility companies, businesses, and other entities that generate non-federal resources for the program. Examples of some of the leveraging partnerships are donations from some local/national hardware and lumber stores, local realtors, etc. All Weatherization subgrantees participate in leveraging and partnership activities, although not all of them charge expenditures to the leveraging category for these activities.

Subgrantees may budget up to, but no more than, five percent (5%) of their grant allocation for leveraging activities. A leveraging plan is required to be submitted with each subgrantee budget if leveraging funds are to be utilized. Leveraging activities include paying for agency staff or hiring consultant staff to explore and develop partnerships with utility companies, businesses, and other entities that generate non-federal resources for the resources for the program. Other allowable activities include: holding leveraging meetings; preparing technical materials/briefs or facilitating voluntary match funds from a non-federal source. The leverage resources should expand energy efficiency services and/or increase the number of DOE-eligible dwelling units weatherized. The work done with leveraged resources must be consistent with an approved energy audit and utilize cost-effective measures. Leveraging efforts will not always be successful, but subgrantees should aim to produce more than one dollar leveraged for each DOE dollar expended.

IV.5 Policy Advisory Council Members

Check if an existing state council or commission serves in this category and add name below

01-Community Services, Incorporated of Northwest Mo.	Type of organization: Local agency Contact Name: Bonnie Patterson, Executive Director Phone: 6605823113 Email: bpatterson.csi@gmail.com
12-Missouri Ozarks Community Action, Inc.	Type of organization: Local agency Contact Name: David Miller, Executive Director Phone: 5737653263 Email: dmiller@mocacaa.org
16-Ozark Action, Inc.	Type of organization: Local agency Contact Name: Terry Sanders, Weatherization Director Phone: 4172566147 Email: housedoctor@oaiwp.org
17-Ozarks Area Community Action Corp	Type of organization: Local agency Contact Name: Mr. Todd Steinmann, Weatherization Director Phone: (417)865-7797 Email: tsteinmann@oacac-caa.org
Boone Electric Cooperative	Type of organization: Utility Contact Name: Mr. Chris Rohlfling Phone: 5734494181 Email: crohfling@booneelectric.com
Department of Health & Senior Services	Type of organization: Unit of State Government Contact Name: Charity Hunter Phone: 5735268560 Email: charity.hunter@health.mo.gov
Missouri Association for Community Action	Type of organization: Non-profit (not a financial institution) Contact Name: Heather Lockard Phone: 5736342969 Email: hlockard@communityaction.org
Missouri Public Service Commission	Type of organization: Unit of State Government Contact Name: Kory Boustead Phone: 5735265009 Email: kory.boustead@psc.mo.gov
	Type of organization: Utility

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The Laclede Group, Inc.	Contact Name: Shaylyn Dean Phone: 8163605759 Email: shaylyn.dean@thelacledegroup.com
United Way of Greater St. Louis	Type of organization: Non-profit (not a financial institution) Contact Name: Cathy Vaisvil Phone: 3142421885 Email: cathy.vaisvil@stl.unitedway.org

IV.6 State Plan Hearings (Note: attach notes and transcripts to the SF-424)

Date Held	Newspapers that publicized the hearings and the dates the notice ran
04/21/2016	A public hearing regarding the Program Year 2016 DOE Weatherization State Plan for Missouri was held on April 21, 2016 in Jefferson City, Missouri. Notices for the public hearing were published on April, 7, 2016 in the following newspapers: Jefferson City Tribune and the Columbia Daily Tribune. In addition, the notice for the public hearing and the State Plan documents were sent via e-mail on April 7, 2016 to the Missouri Weatherization Policy Advisory Council and Missouri's Weatherization network of subgrantees. The documents were also uploaded to Missouri's Weatherization web page at: https://energy.mo.gov/energy/communities/assistance-programs/low-income-weatherization-assistance-program-(liwap)

IV.7 Miscellaneous

Recipient Business Officer:

Robert W. Mock
rob.mock@ded.mo.gov
 573-751-5955

Recipient Principal Investigator:

Kristy Manning
kristy.manning@ded.mo.gov
 573-751-5235

Missouri Weatherization Policy Advisory Council:

The Missouri Weatherization Policy Advisory Council membership shall reflect the relevant groups whom the program represents, in particular low-income households, especially those that include the elderly, the physically disadvantaged and families with children. Membership shall include, but not limited to, advocates of the Low Income Weatherization Assistance Program clientele who manage or deliver LIWAP program services, or who participate in or have a history of activities advocating low-income interests, or are recipients or eligible recipients of the Low Income Weatherization Assistance Program. Considerations shall be given to geographic and equitable representation of the state.

Elderly and Disability Representative - Charity Hunter, Department of Health and Senior Services, Division of Senior and Disability Services

Child Advocacy Representative - David Miller, Executive Director of the Missouri Ozarks Community Action, Inc. (MOCA). Programs administered by MOCA include Head Start and various other family development projects.

Technical Work Group:

The state, working with the Professional Alliance, formed a Technical Work Group. This group will advise the state on various technical matters. The Technical Work Group is represented by:

Kevin Scherr, DED/DE
 Todd McVicker, DED/DE
 Gene Elwood, DED/DE
 Terry Sanders, Ozark Action, Inc., West Plains
 Todd Steinmann, Ozarks Area Community Action Corporation, Springfield

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Tim Huber, Community Action Agency of St. Louis County, St. Louis County

Ken Schneider, North East Community Action Corporation, Bowling Green

Jay Austin, Delta Area Economic Opportunity Corporation, Portageville

Matt Daniel, Economic Security Corporation of Southwest Area, Joplin

Dan Kosman, United Services Community Action Agency, Kansas City

The Technical Work Group will make technical recommendations regarding the Missouri Weatherization Program.