	Section	
State of Ohio Weatherization Program Standards	Section	**ADMINISTRATION**
	Subject	**General**

GENERAL 901

No multi-family project may commence without the prior written approval for the project from OEE.

prior approval
901-1.1

Weatherization work shall be performed in the entire building provided the building is qualified based on applications that meet HWAP Policies & Procedures 66% eligibility guidelines.

eligibility
901-1.2

All buildings falling within the scope of this section of the WPS (MULTI-FAMILY/HIGH-RISE BUILDING - 4 OR MORE STORIES ABOVE GRADE, OR CENTRALLY-HEATED BUILDINGS WITH 5 OR MORE UNITS) are by definition commercial buildings, and as such are covered by the Ohio Basic Building Code (whether jurisdiction is granted to a local building department or remains with the State Division of Buildings and Factories). All required permits and certifications of plans and specification and inspections must be acquired and documentation must be available in the customer file.

permits
901-1.3

All audits, including EA-QUIP, must consider the interactive effects of retrofits. Audit procedures must calculate the savings-to-investment ratio using the following calculation for life cycle costs:

audit parameters
901-1.4

$$D_{life} = E * P/C_f * \sum_{i=1}^{L} \frac{I_i}{(1 + d)^i}$$

Where,

D_{life} =   discounted dollar savings of each EEM over its lifetime

E =   the first year estimated energy savings of the EEM

P =   unit price of energy saved by the EEM

C_f =   conversion factor for the fuel price

L =   life of each EEM in years

I_i =   energy price index for the i'th year

d =   fractional discount rate.

**audit parameters
cont'd** 901-1.4

The c_f factor merely provides consistency of units between the savings and energy prices. For an example, if the first year savings, E, is in kWh and the fuel price, P, is in \$/kWh, then c_f would equal 1 since no conversion of energy units is necessary.

Energy price indices currently (1999) are as follows:

i	I_i	i	I_i
1	1.00	15	0.95
2-6	1.01	16	0.95
7	1.00	17-20	0.93
8-9	0.99	21-22	0.92
10-11	0.98	23-24	0.91
12-13	0.97	25-26	0.90
14	0.96		