

SYSTEM REPAIR OR REPLACE

Decision Worksheet

DECISION SECTION				
Complete this section to make a proper recommendation				
Category	Points			
Age of Equipment				
0 - 5 years	1			
6 - 10 years	5			
11 - 20 years	10			
Over 20 years	20			
Estimated Cost of Repairs				
Less than \$100	1			
\$100 - \$500	5			
\$500 - \$1,000	10			
Over \$1,000	20			
Repairs Under Warranty				
Parts Only	0			
Parts & Labor	5			
No Warranty	10			
SEER of Equipment ^{1,7}				
13	3			
8 - 10	8			
5 - 7	10			
Less than 5	20			
Type of Refrigerant Used ²				
HFC	0			
CFC or HCFC	10			
AFUE ^{3,7}				
Over 87	1			
80 - 87	5			
70 - 79	10			
Less than 70	20			
Outdoor Equipment Condition ⁴				
Good	1			
Average	5			
Fair	10			
Poor	15			
Indoor Equipment Condition ^{5,8}				
Good	1			
Average	5			
Fair	10			
Poor	15			
Owner Expects to Stay in Home				
2 years or less	1			
2 - 5 years	5			
6 - 10 years	10			
Over 10 years	15			
Total Score				
Repair:	0 - 40	0 - 35	0 - 45	
Questionable:	41 - 60	36 - 50	46 - 70	
Replace:	61+	51+	71+	

Red Flags

If you experience any of the following conditions, be sure to mention this to the comfort consultant.

Yes No

Airflow	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Are there airflow problems? Too hot in the summer or too cold in the winter? Leakage in the duct system? 		
Noise	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Are there noise issues? (e.g., vibrations, whistling) 		
Refrigerants	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Will I be changing refrigerants? (May need to change metering device, line set, or coil) 		
Cycling	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Is the unit cycling a lot? 		
Comfort	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Have there been problems with comfort - too hot or too cold - in the past? 		
Remodeled	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Since the house was built, has it been remodeled or have rooms been added on? (More rooms to heat/cool? More insulation?) 		
Building Codes	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Have there been any changes in building or mechanical codes? (e.g., aluminum wiring prohibited; ordinances for outside noise from condensing units) 		
Venting	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Are there any concerns about venting? (e.g., a midrange furnace vented into a masonry chimney) 		
Fuel Changes	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Would replacement be an opportunity to change fuel type? (e.g., oil to gas/electric; electric to gas; gas to electric; et c.) 		
Safety Issues	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Carbon monoxide present? Fuel leaks? Unsafe wiring? 		
Repair History	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Has the compressor been repaired? Has the heat exchanger been replaced? 		

Notes

- Air Conditioners & Heat Pumps
- HFC (R-134A, 410A); CFC (R-12, R-500); HCFC (R-22)
- Furnaces, Boilers & Gas/Electric PACS
- Split Systems & Packaged Units only
- Fan Coils & Furnace Coils
- N/A for Packaged HP & AC
- Consult Preston's Guide for SEER / AFUE Ratings

Reminder: If the outdoor unit is replaced, the indoor coil probably needs to be replaced.

Date _____

Customer _____

Technician _____