

DOCKETED

Docket Number:	17-EBP-01
Project Title:	Improving Energy Compliance of Central Air-Conditioning and Heat Pump Systems
TN #:	224314
Document Title:	Matt Moore 4 Ton HVAC installation with and wo permit
Description:	N/A
Filer:	Joe Loyer
Organization:	California Energy Commission
Submitter Role:	Commission Staff
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Lennox 4 ton complete HVAC Change out system 2,000 sq foot home		
Salesman and signing of contract time with customer / follow ups	1000	
Building Permit with application time	500	
Hers rater per visit	500	
4 TON Condenser Lennox 4 ton complete HVAC Change out system 2,000 sq foot home	1900	
4 TON Evaporator Coil with sales tax and mark up 25% total	605	
New Pvc Drain Line Primary and Secondary pvc parts and labor	250	
Secondary Drain Line pan /evaporator water overflow parts and labor	200	
New Thermostat, condenser pad, electrical discounct, Foam, Tape, Strapping copper pipe, fittings, miscellaneous materal	175	
Labor removel old equipment install new equipment price provides 20 hours	2000	
4 Ton Air handler / furnace with sales tax and mark up 25% total	1275	
Labor, Dispostal and retrofit time Flut PVC,Roof Jack flut PVC drain lines	500	
Removal of duct work and disposale 10 hours	1000	
New ductwork materal	1000	
Ductwork installation labor price provides 20-40 hours	2000	2000
New Plenum supply and return	250	
Return Air Filter register housing and mechanism to hold air filter	150	
Labor to install metal foil tape under reqisters 2.5 hours	250	
Punch list labor / stanby time with building		
Inspector and hers rater 8 hours	800	
New copper line set and thermostat control wire + metal line set cover	400	
labor	1000	
Service light in attic	500	
Build wooden platform and walk way in attic	500	
Company profit honor warranty and call backs	1500	1500
Total	15855	5900 21755

**No permit and No Hers rater requirments
cutstumer pays for equipment at distrubutor**

\$1,520	4 ton Condenser
\$484	4 Ton Evaparator
\$1,020	Air Handler / Furnace
\$1,500	Labor @ 500 per peace of equipment
\$4,524	Total Cost to change out a System with no requirments