DOE Furnace Standards Tasks/Issues

1. Overall strategy is to support DOE NOPR as cost effective for the USA.
2. Marshall will email DOE to get permission to get LBNL help in running sensitive analysis using the LCC tool.
3. If LBNL support is granted the Yanda will meet/communicate with LBNL to run at a minimum these parmetrics
	1. CA only impact analysis
	2. CA only with corrected house sample and “0” fuel substitution
	3. CA only with orphaned water heater correction
	4. CA only with corrected installation costs
	5. USA with corrected/added learning rate
	6. USA with discount rate options
	7. USA with source energy multiplier applied to kWh (this may be in another analysis tool)
4. Yanda to discover why there is the discontinuity in the 92 to 95 levels
5. USA renters v. CA renters … is there a major difference
6. Marshall has DEG explore the low capacity issue for Philadelphia row houses and new CA houses 2019
7. Marshall to check with Gary Fernstrom and Energy Solutions about the 8.5 stdby watts when 4 should be possible
8. California HDD v. DOE TSD HDD
9. Yanda to develop ways to explicate the impact of the same OEMs providing HPs and Furnaces so that OEM impacts are less
10. Marshall to work with Jim O’Bannon of RHA to develop the low income impacts for CA and find out what the procedures are for furnace replacement
11. Yanda to determine whether or not the basecase furnace has the constant torque BPM motor that is require in 2019
12. Yanda to compare RASS to Census data on energy consumption
13. Yanda explores the impact of AQMD Low NOx