From Green to Greed

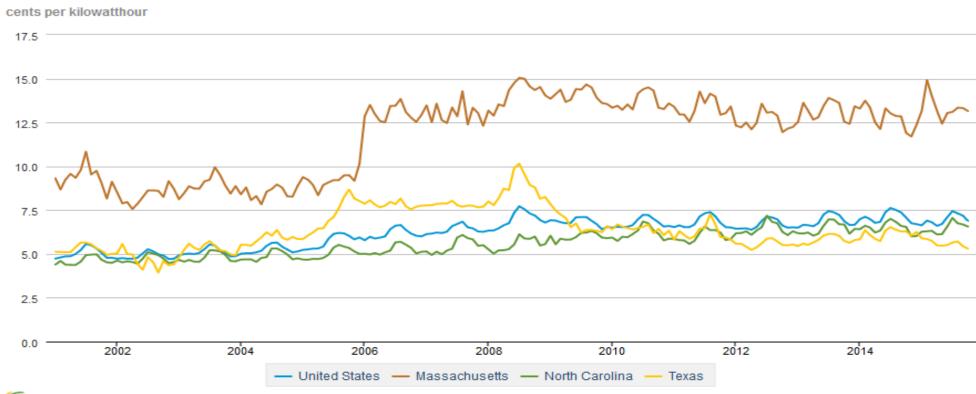
How good intentions are raising the price of energy

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Electric Costs in MA-Industrial

thru October 2015

Average retail price of electricity : : industrial : monthly

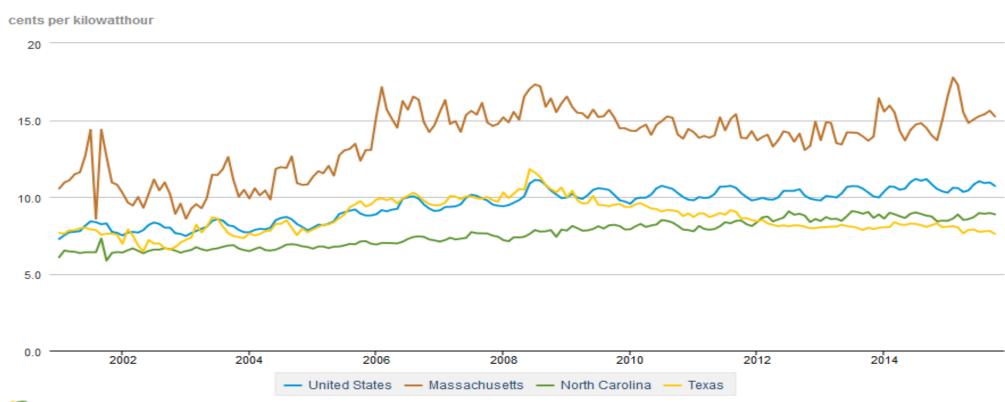




Electric costs in MA-Commercial

thru October 2015

Average retail price of electricity:: commercial: monthly





Why the High Prices?

- High Gas Use
- Lack of Gas Infrastructure
- Lots of mandated programs some with virtually no oversight or even clear goals
 - Energy efficiency
 - Solar Carve-Out RPS
 - Non-solar renewable RPS
 - Long term contracts some renewable (Cape Wind, other offshore and onshore wind), some not (hydro, subsidizing gas lines)
 - RGGI

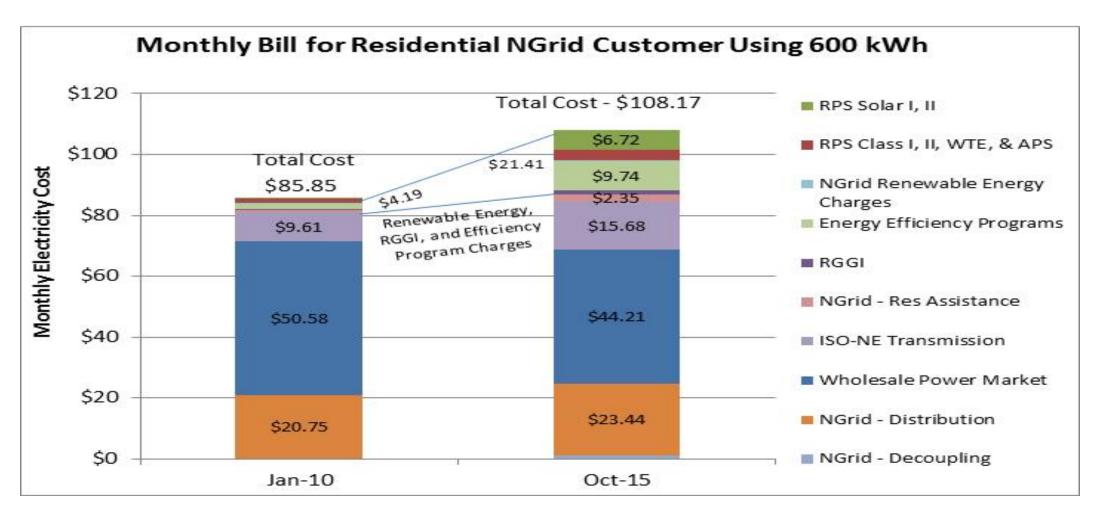
Quiz:

What Portion of Your Total Electric Bill is Due to Green Programs?

- 5%
- 10%
- 15%
- 20%
- 25%

Legacy of GCA

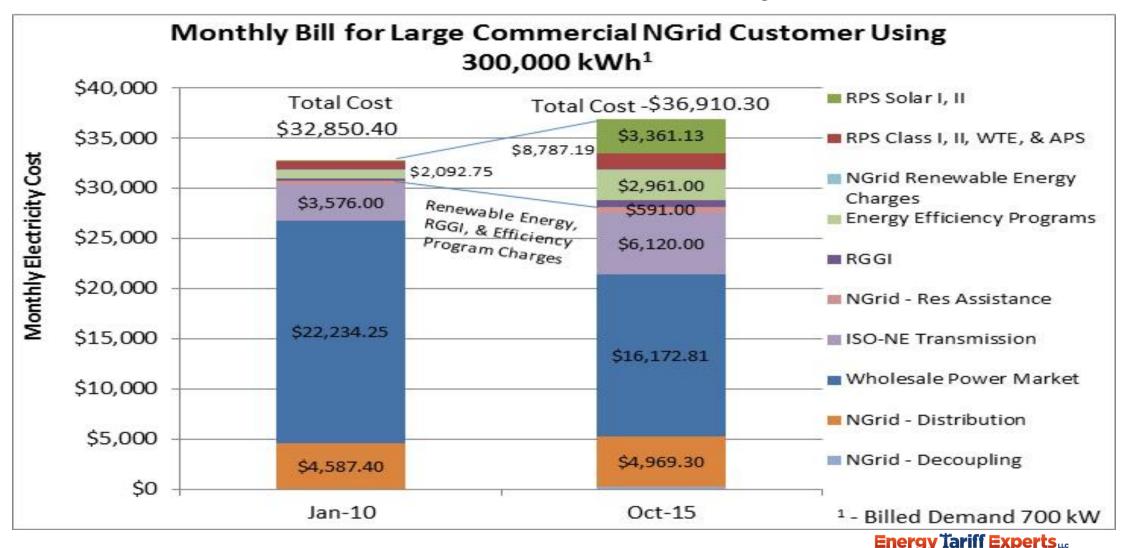
410% increase in mandated costs in NGRID Residential



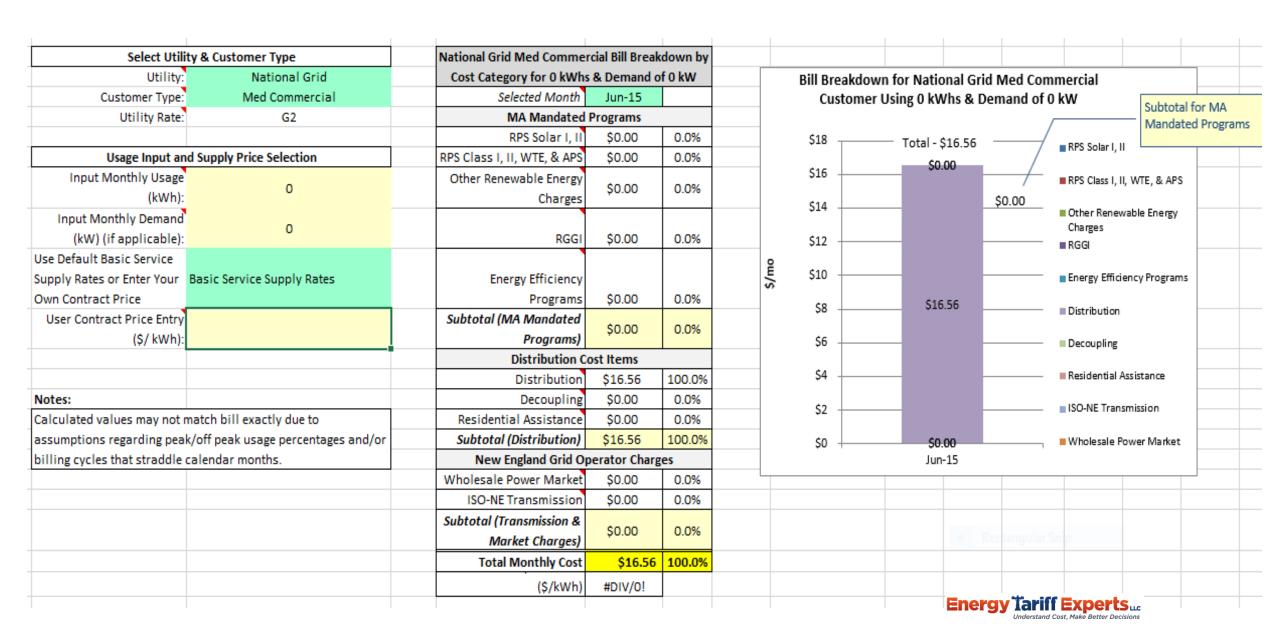


Legacy of GCA

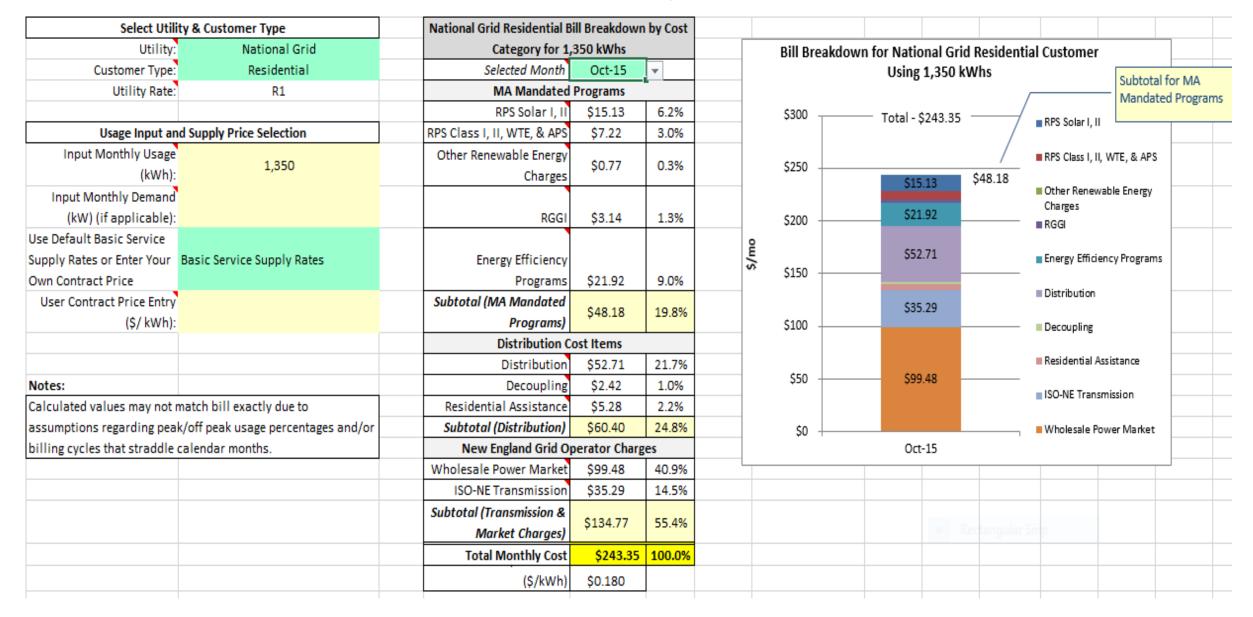
320% increase in mandated costs in NGRID Large Commercial



New AIM Calculator

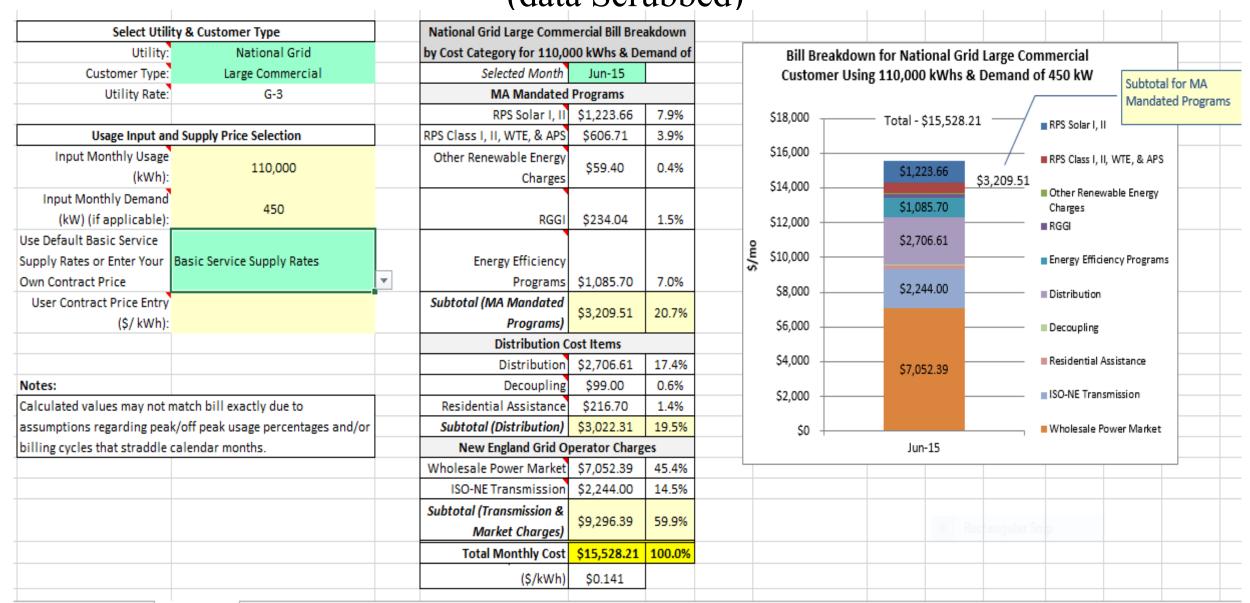


Residential Customer



Commercial Customer

(data Scrubbed)



Goal

- Review all programs to make sure they LOWERING the cost of electricity or energy
- Make sure all programs are obtaining maximum benefit for the least cost

Prognosis – Patient in trouble

Program	Amount (dollars/yr)	Where it shows up	Future
RGGI	74,000,000	Energy	Higher as tighter carbon controls are instituted
EE	600,000,000	Distribution	Stable
RPS	300,000,000	Energy	Fairly stable
Solar RPS	600,000,000	Energy	Will double by 2020 EVEN if solar program reformed
LTCs (renewable – offshore wind)	miniscule	Distribution	Will increase if hydro bill passes
LTCs (non-renewable – hydro, gas lines)	0	Distribution	Will increase if hydro bill passes
Net metering	25,000,000	Distribution	Will increase EVEN if solar program reformed