

Town of Tolland Municipal Energy Usage and Expenditures (2005 - 2010)

Tolland Energy Task Force

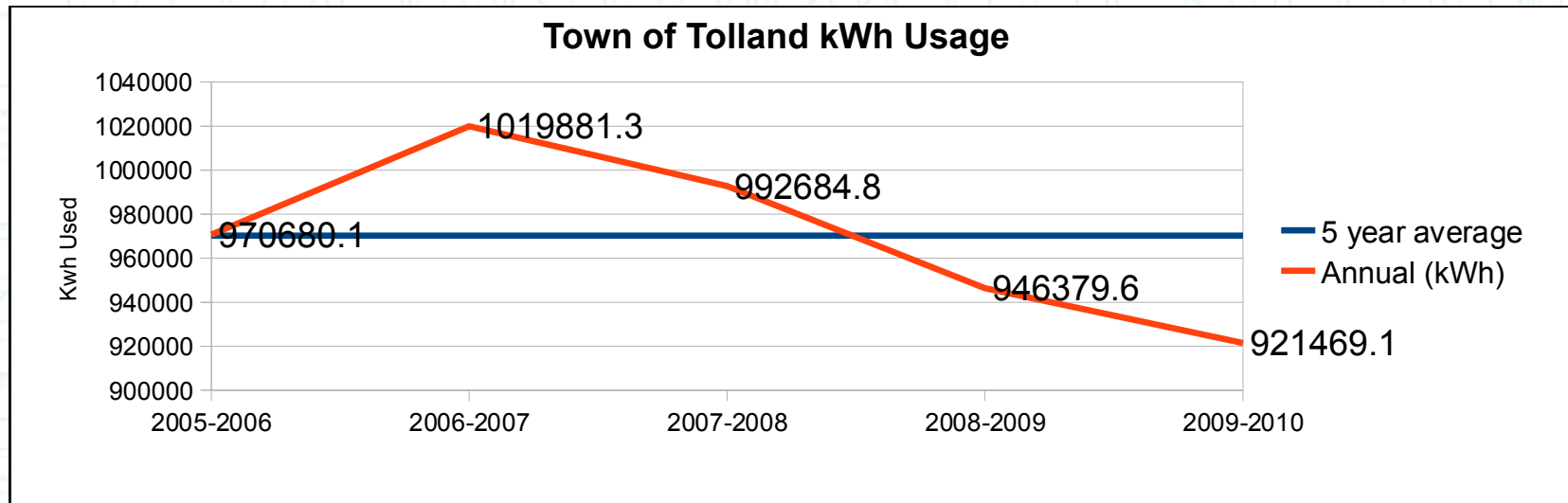
Analysis Profile

- Analysis has been performed on the last 5 years of municipal energy bills.
- The term “energy” includes electricity, heating oil, and propane for all municipal facilities.
 - BOE facilities are excluded from this summary.
- Attempts are being made to identify when major changes in a facility took place.
- High usage does not necessarily denote poor behavior.

Overall Town Usage

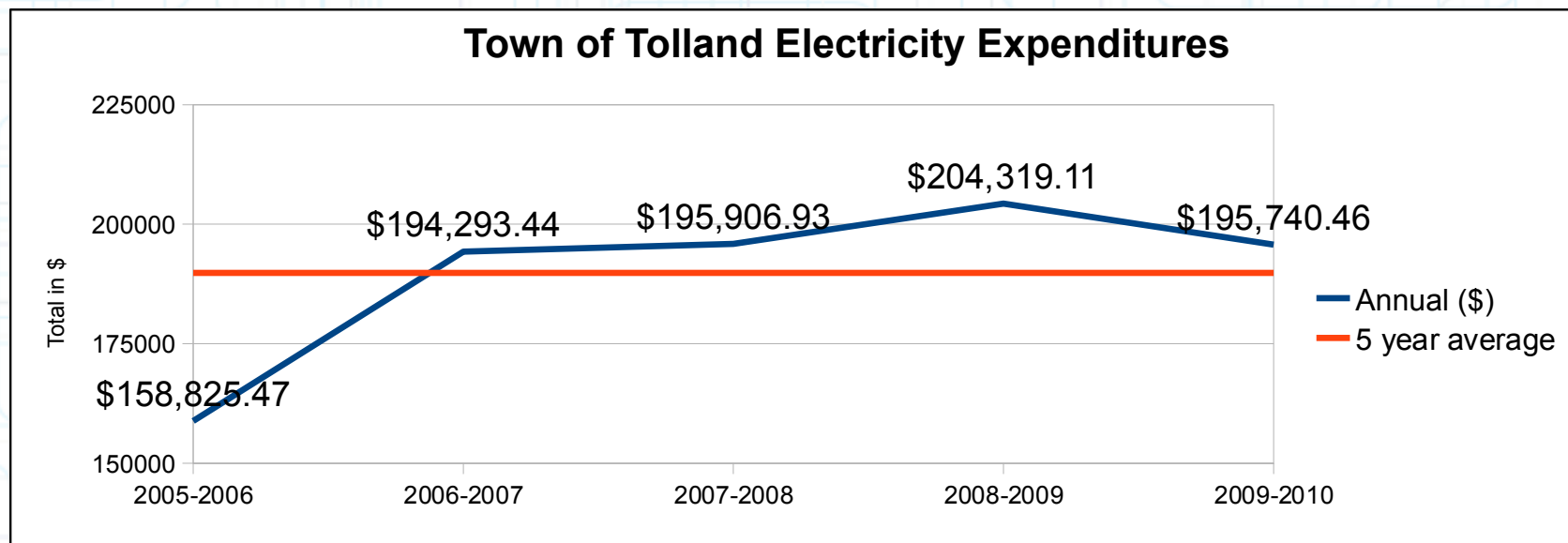
- 22 total “facilities”
 - Not all buildings; Some are street lighting, pump stations, etc.
 - Facilities are varied in purpose and characteristics (so, they are not intended to be compared against each other).
 - Fire Station vs Library vs Dog Pound makes little sense to compare.
 - Energy sources vary per facility; Some utilize electric only, some all three sources.
- Data collected since June, 2005.

Electricity Usage & Expenditures

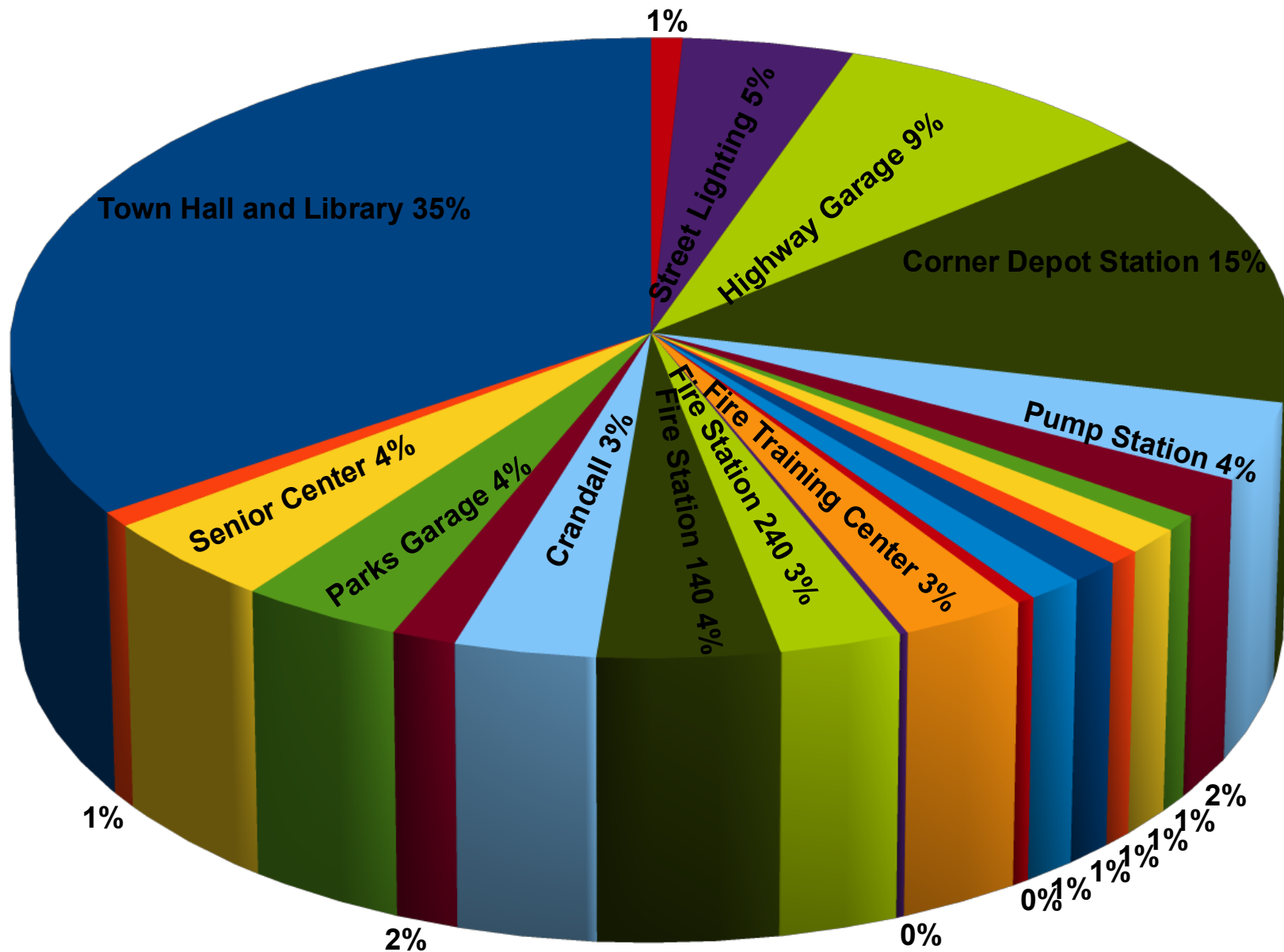


Electricity consumption has dropped 10% since '06/'07 but expenditures have remained relatively flat; **Almost every facility has reduced usage.**

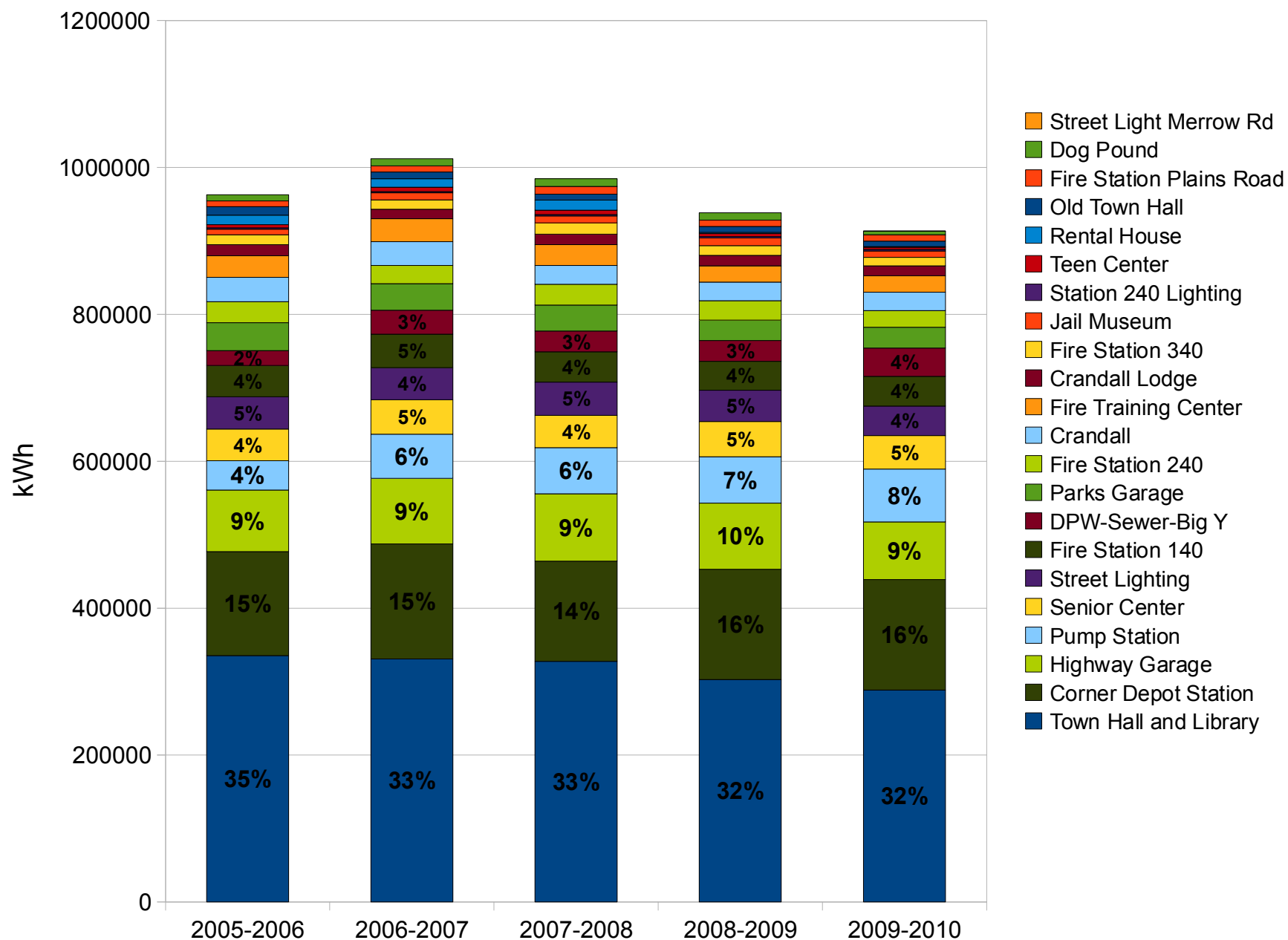
- **The lesson: Electricity rates are ever increasing; As they increase, we (consumers, towns, businesses) will pay more for less.**



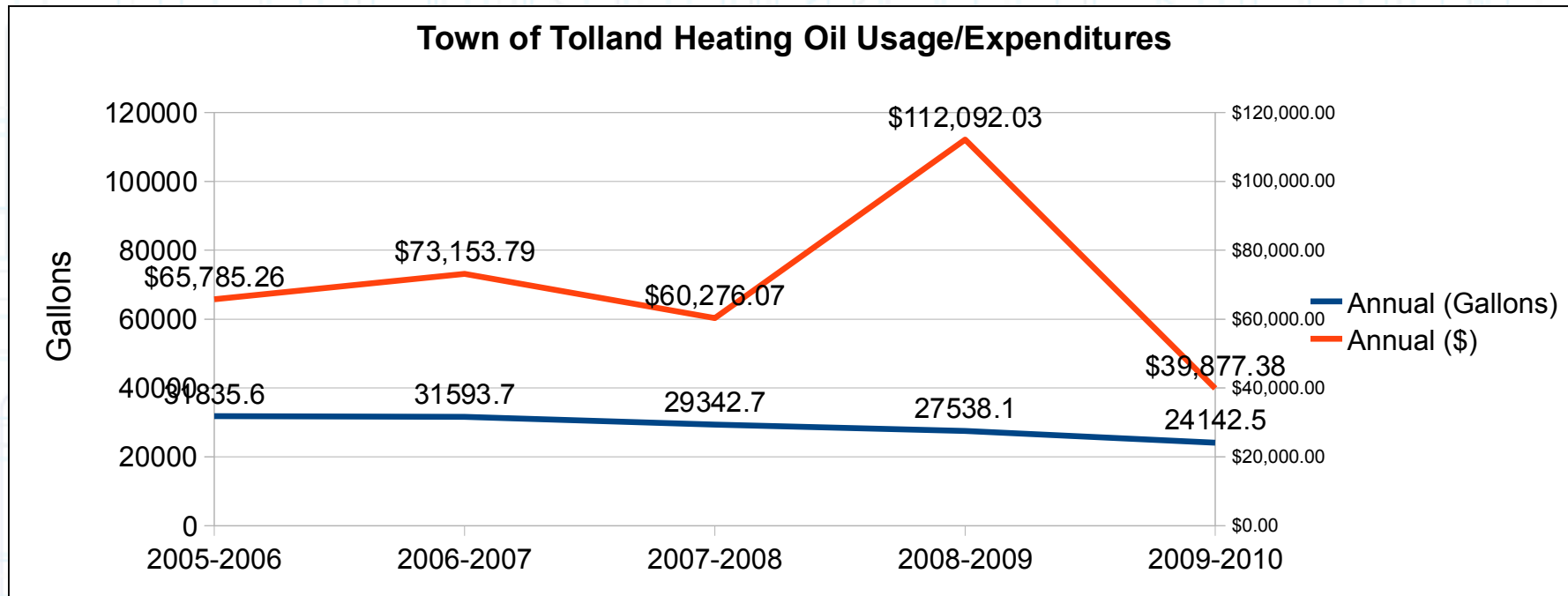
Electricity Usage by Facility (Excludes BOE) 2005 - 2010



2005 - 2010

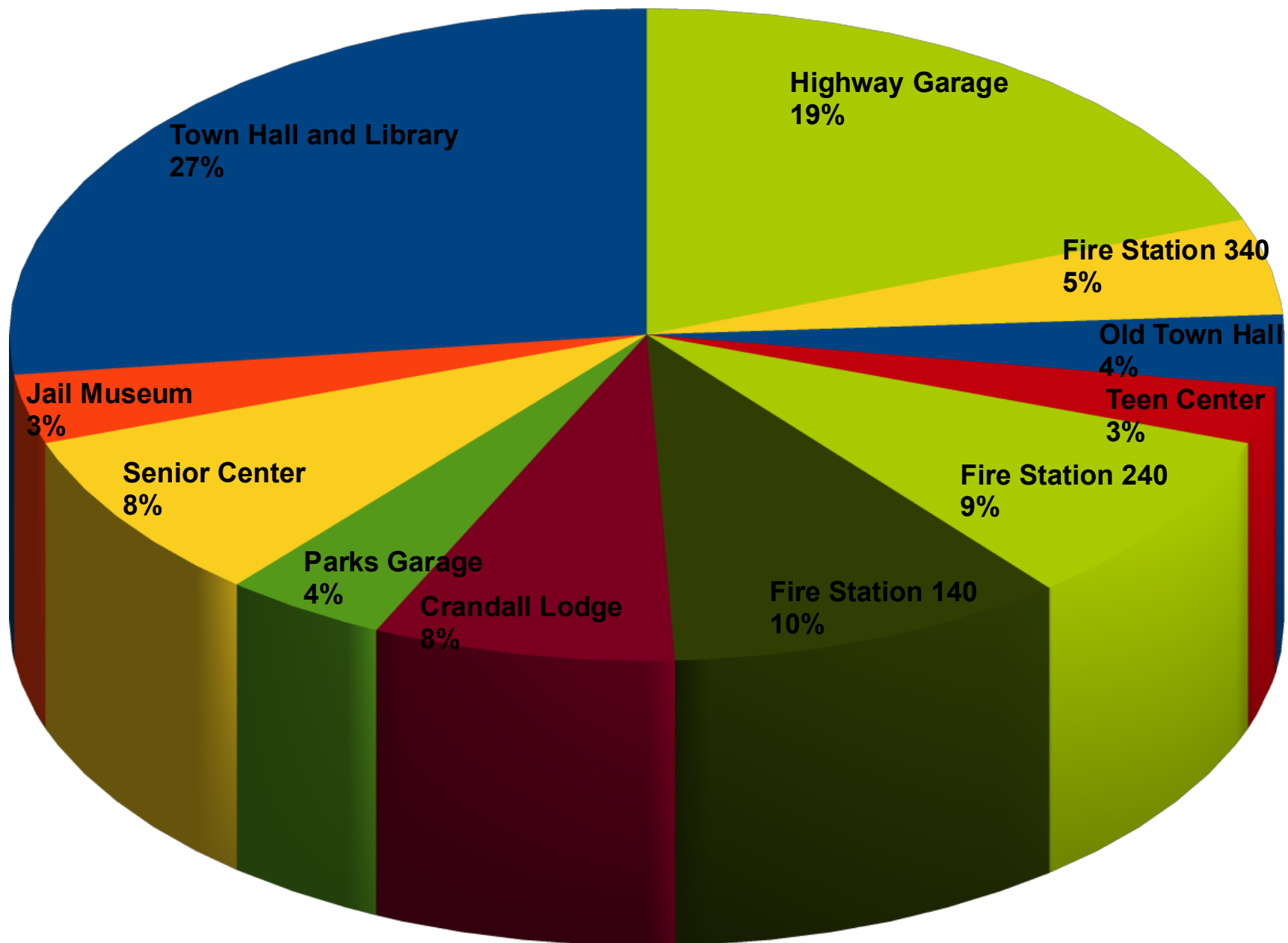


Heating Oil Usage & Expenditures

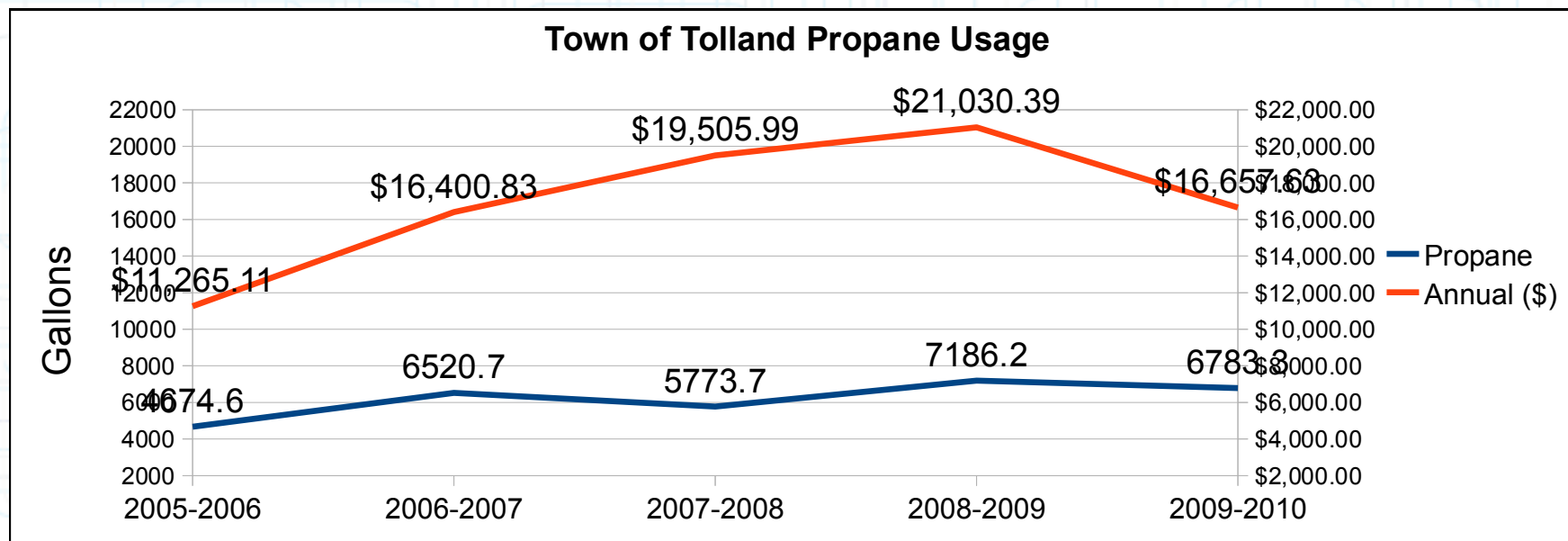


- Heating Oil use is down 25% since '05/'06.
- '08-'09 prices were twice that of other years and the spike in expenditures surely shows that.
- The *Town Hall/Library* is largest consumer.
 - Ironically, this facility has also seen the largest reduction (**28%!**) in oil use since '07/'08.
 - **Switch to 4-day work schedule** (on Sep 8, '08) is the reason; Heating Oil savings alone ~\$11,000 in '09/'10.

Heating Oil Usage by Facility (Excludes BOE) 2005 - 2010



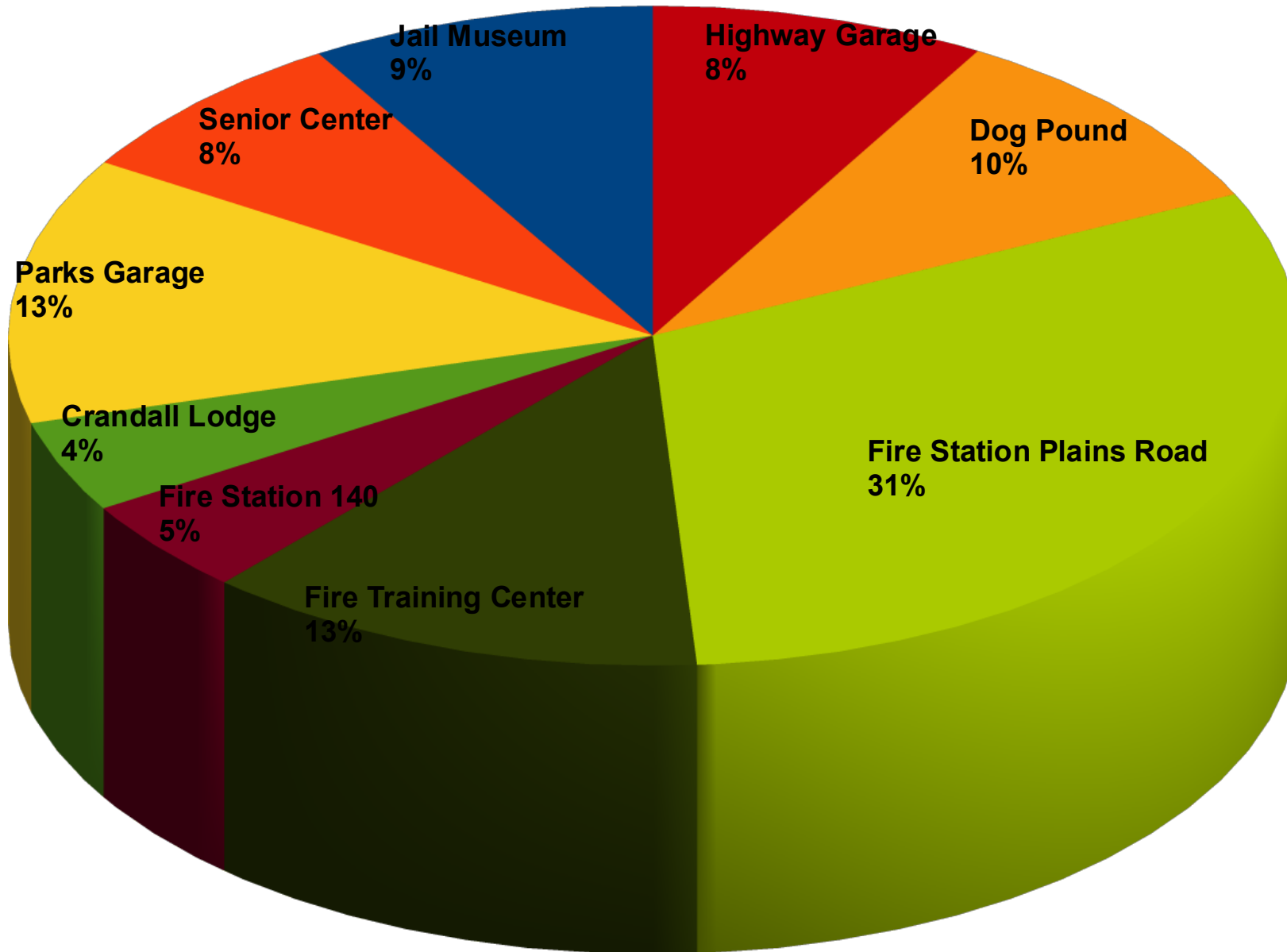
Propane Usage & Expenditures



- Propane usage increasing since '05/'06.
 - Gallons used up ~30%; Expenditures up ~40%
 - Increase not alarming, but trend needs to be understood to see if efficiencies can be found.
- Propane use is in 9 facilities and accounts for 7% of total energy expenditures.
 - *Plains Road Fire Station* is the largest consumer (as it's sole heat source – ie. *Does not use Heating Oil*).

Propane Usage by Facility (Excluding BOE)

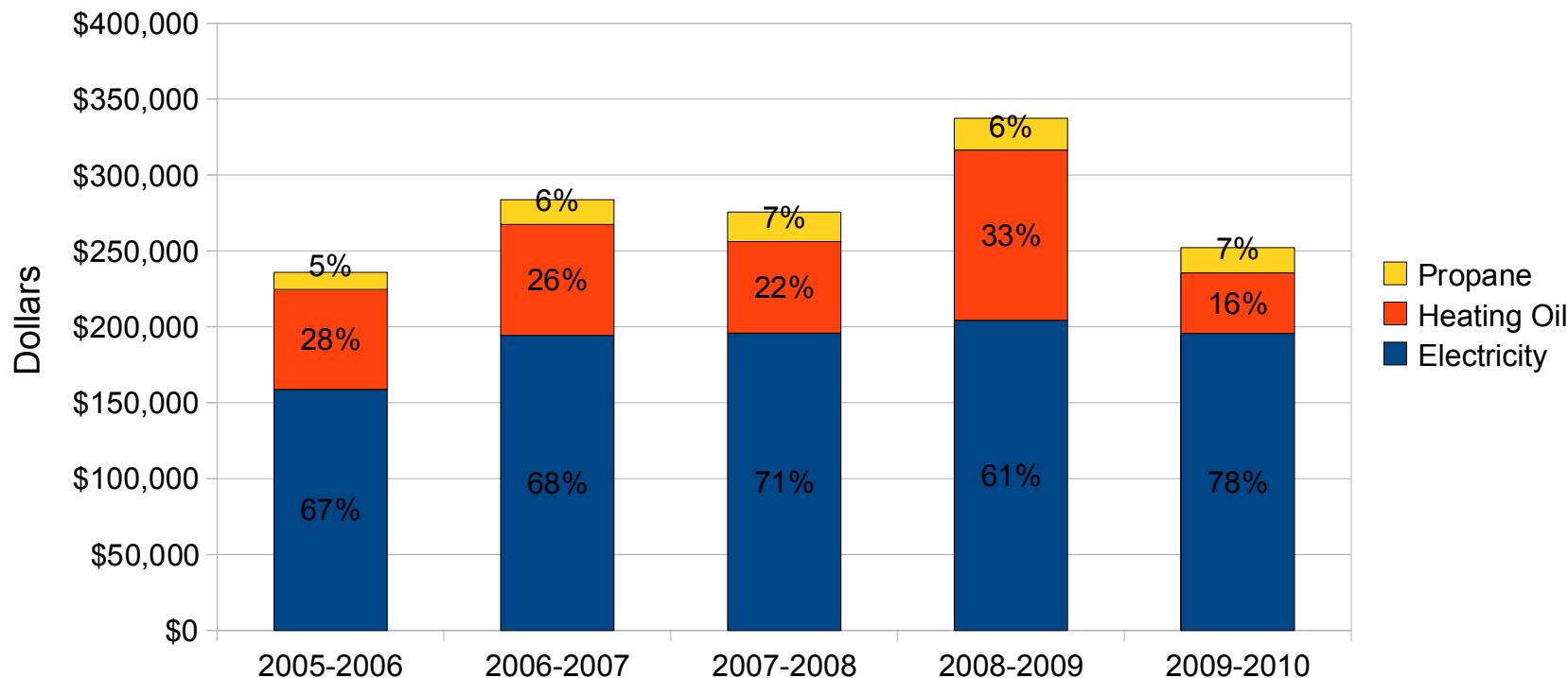
2005 - 2010



Total Municipal Energy Expenditures

Type/Year	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010
Electricity	\$158,825.47	\$194,293.44	\$195,906.93	\$204,325.84	\$195,740.46
Heating Oil	\$65,785.26	\$73,153.79	\$60,276.07	\$112,092.03	\$39,877.38
Propane	\$11,265.11	\$16,400.83	\$19,505.99	\$21,009.80	\$16,657.63
Total	\$235,875.84	\$283,848.06	\$275,688.99	\$337,427.67	\$252,275.47

Town of Tolland, Total Municipal Energy Costs



Total Energy Expenditures Municipal Facilities

2005 - 2010

