Committee Workshop on 2010-2020 Revised Demand Forecast and Uncommitted Energy Efficiency

LADWP Planning Area Forecast

First Floor, Hearing Room A

Monday, September 21, 2009

10 a.m.

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LADWP Forecast Overview

- Consumption Forecast is 2% higher than draft in 2010 increasing to 7% higher by 2018
- Consumption Forecast is similar to CED 2007 by 2018
- Peak forecast is 2% higher than draft and CED 2007 by 2018
- Consumption forecast includes self generation while peak excludes self generation
- Per capita consumption and per capita peak constant
- Load factor higher and increases slightly

LADWP Planning Area Forecast Results

- Revised and peak higher than draft

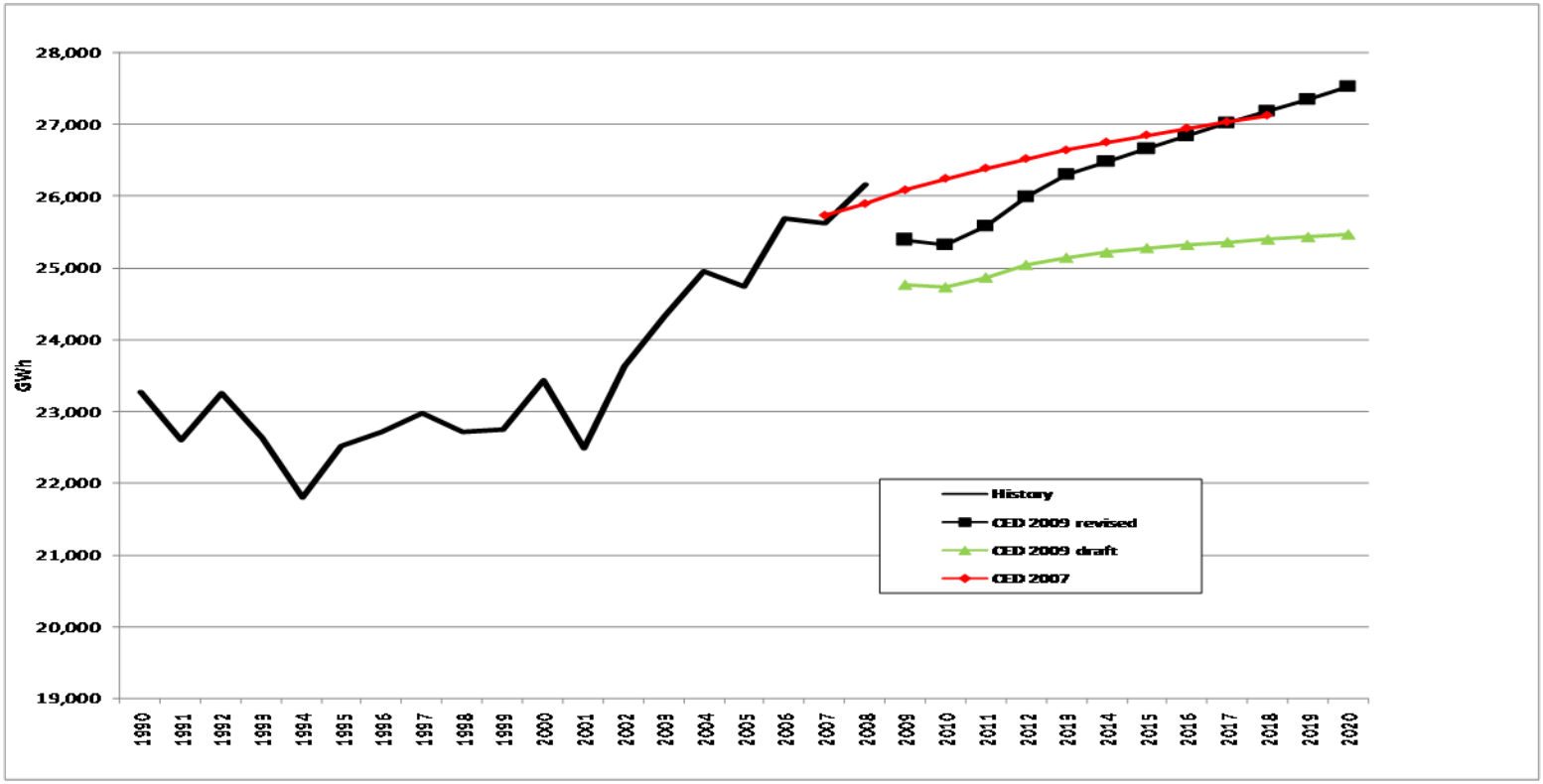
Consumption (GWH)					
	CED 2007 (Oct. 2007)	*CED 2009 Draft* mid-rate case (June 2009)	*CED 2009 Revised* (Sept. 2009)	Percent Difference *CED 2009 Revised/CED 2007*	Percent Difference *CED 2009 Revised/CED 2009 Draft*
1990	23,263	23,263	23,263	0.00%	0.00%
2000	23,437	23,437	23,438	0.00%	0.00%
2008	25,890	25,138	26,153	1.02%	4.04%
2010	26,241	24,729	25,326	-3.49%	2.41%
2015	26,846	25,279	26,665	-0.67%	5.48%
2018	27,120	25,401	27,189	0.25%	7.04%
Average Annual Growth Rates					
1990-2000	0.07%	0.07%	0.08%		
2000-2008	1.25%	0.88%	1.38%		
2008-2010	0.68%	-0.82%	-1.59%		
2010-2018	0.41%	0.34%	0.89%		

Peak (MW)					
	CED 2007 (Oct. 2007)	*CED 2009 Draft* mid-rate case (June 2009)	*CED 2009 Revised* (Sept. 2009)	Percent Difference *CED 2009 Revised/CED 2007*	Percent Difference *CED 2009 Revised/CED 2009 Draft*
1990	5,326	5,326	5,341	0.28%	0.28%
2000	5,325	5,325	5,344	0.36%	0.36%
2008	5,717	6,223	6,006	5.06%	-3.49%
2010	5,786	5,838	5,779	-0.12%	-1.01%
2015	5,907	5,978	6,032	2.12%	0.90%
2018	5,966	6,008	6,128	2.72%	2.00%
Average Annual Growth Rates					
1990-2000	0.00%	0.00%	0.01%		
2000-2008	0.89%	1.97%	1.47%		
2008-2010	0.60%	-3.14%	-1.91%		
2010-2018	0.38%	0.36%	0.74%		

Historic values are shaded

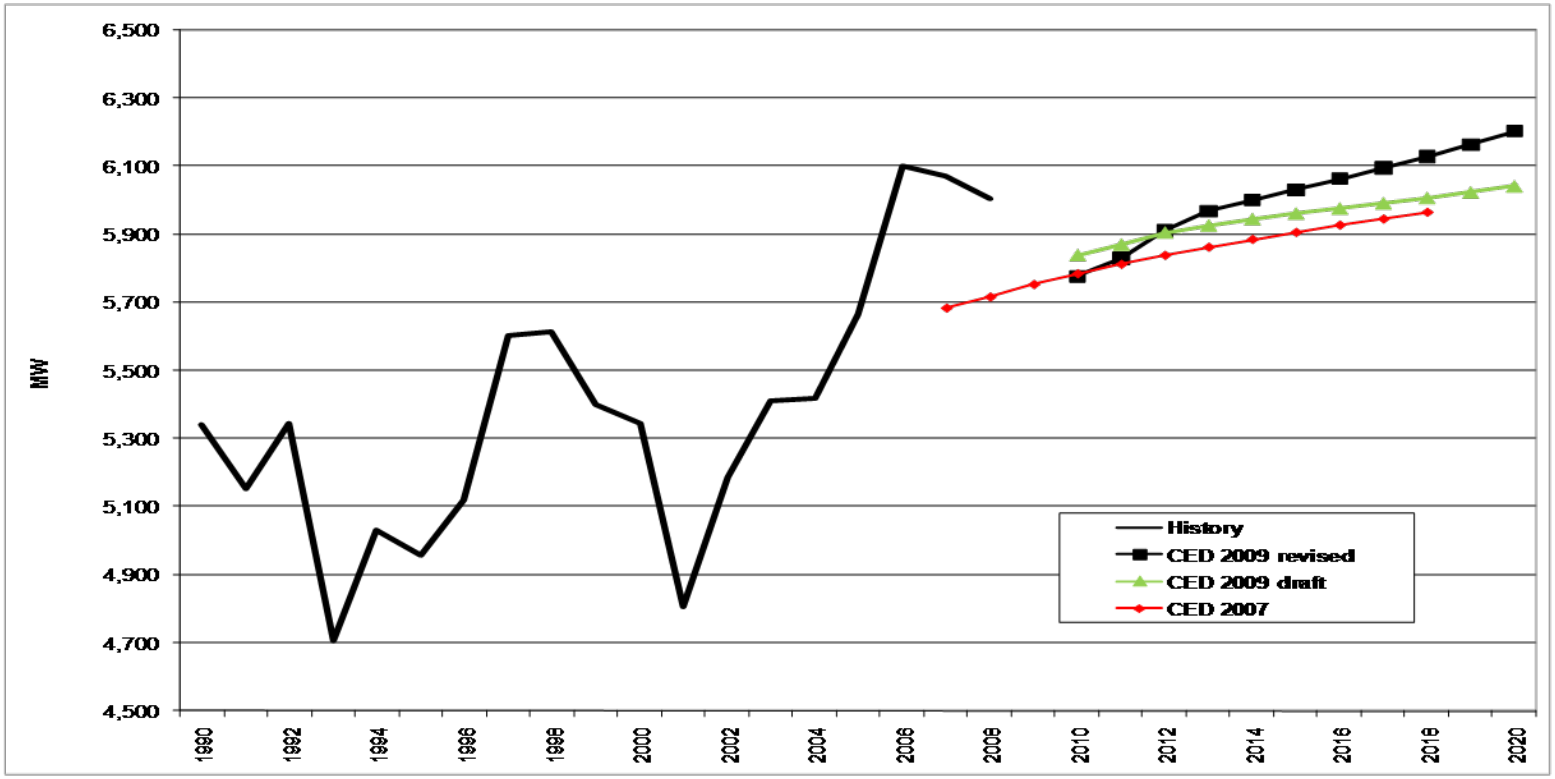
LADWP Electricity Consumption Forecast

- Higher starting point, higher growth



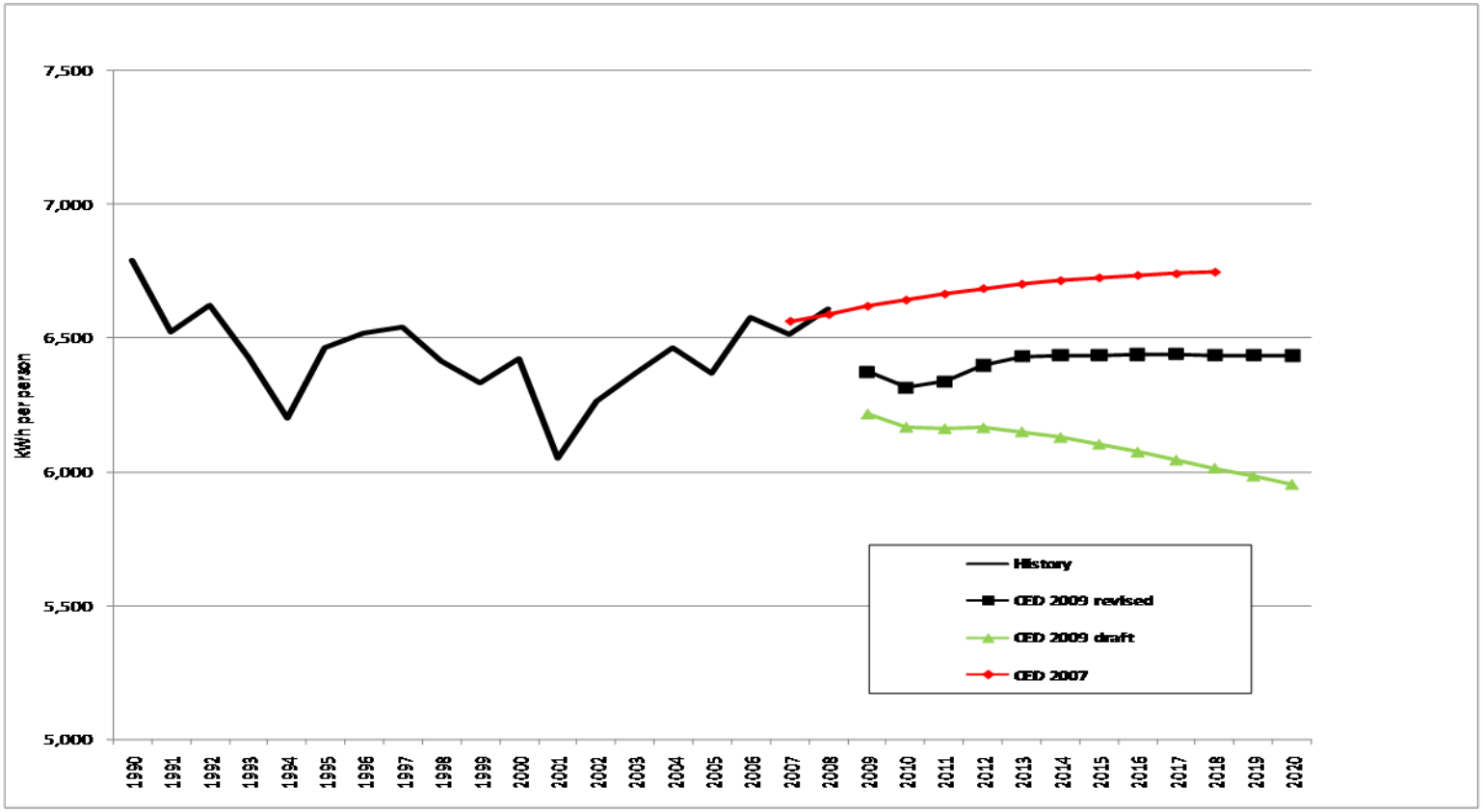
LADWP Planning Area Peak Forecast

- Higher than previous forecasts



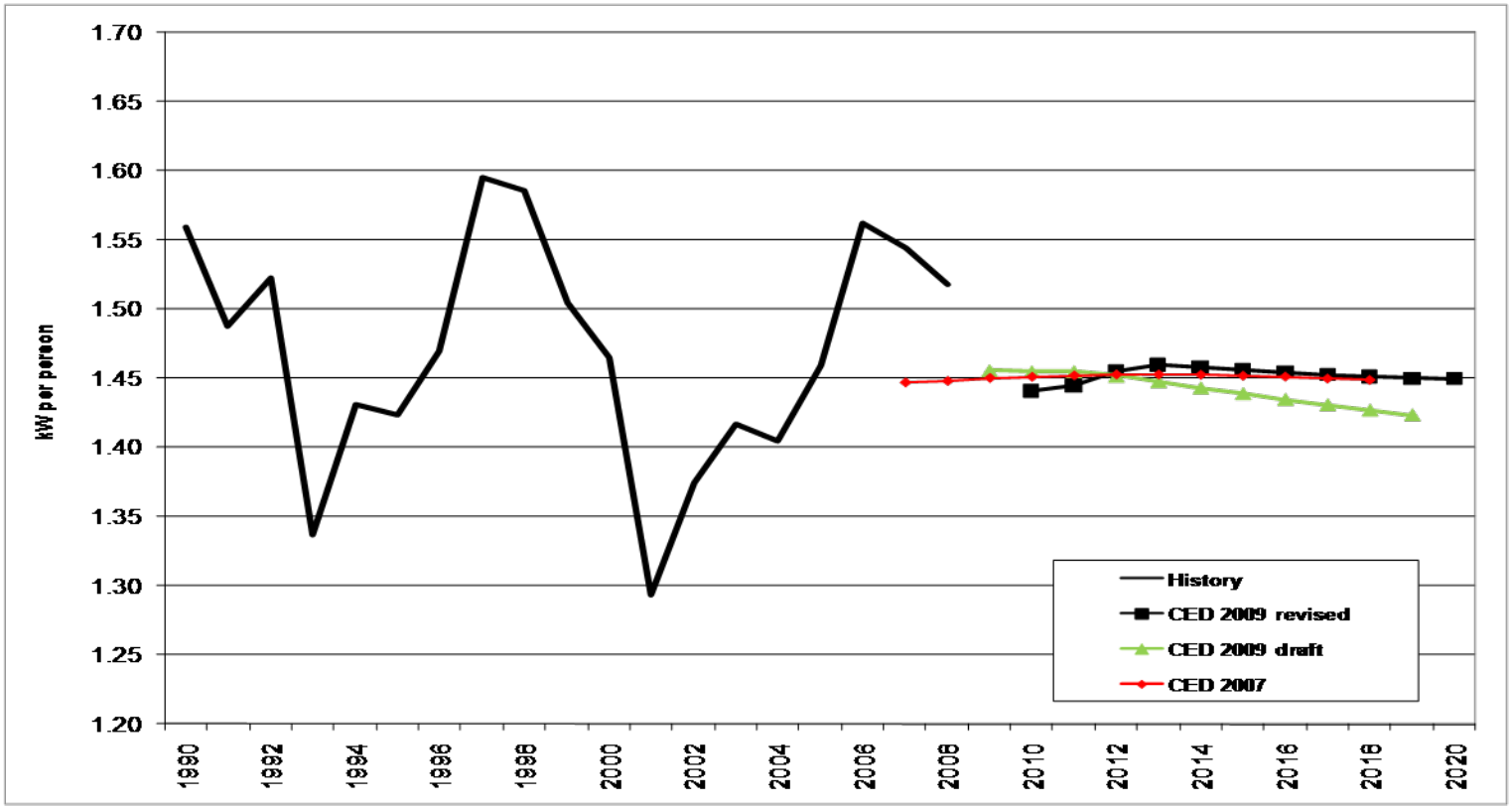
LADWP per Capita Consumption

- Higher than draft, constant after recovery



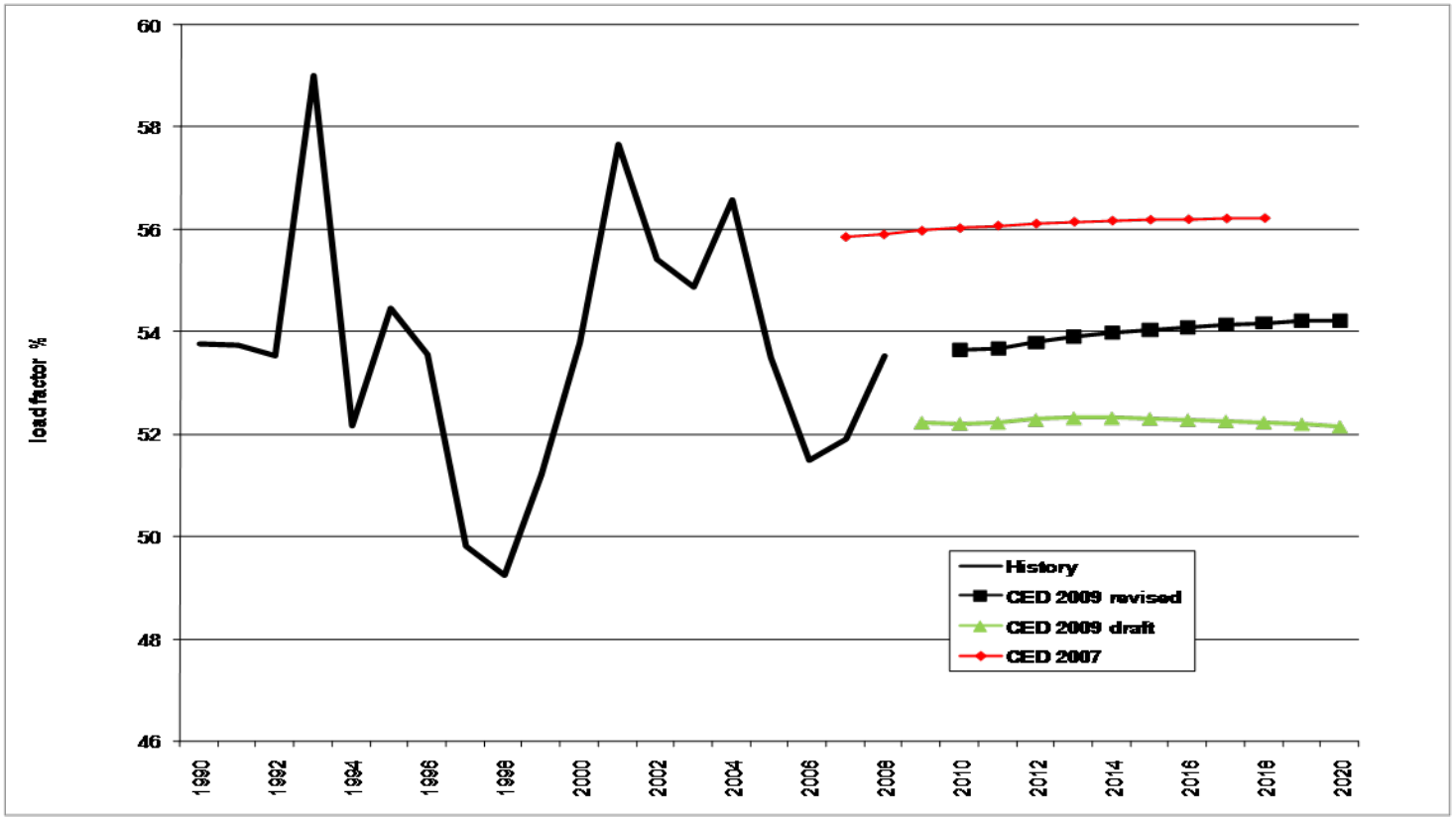
LADWP per Capita Peak

- Now similar to CED 2007



LADWP Planning Area Load Factor

- Higher starting value than draft, slight increase over time

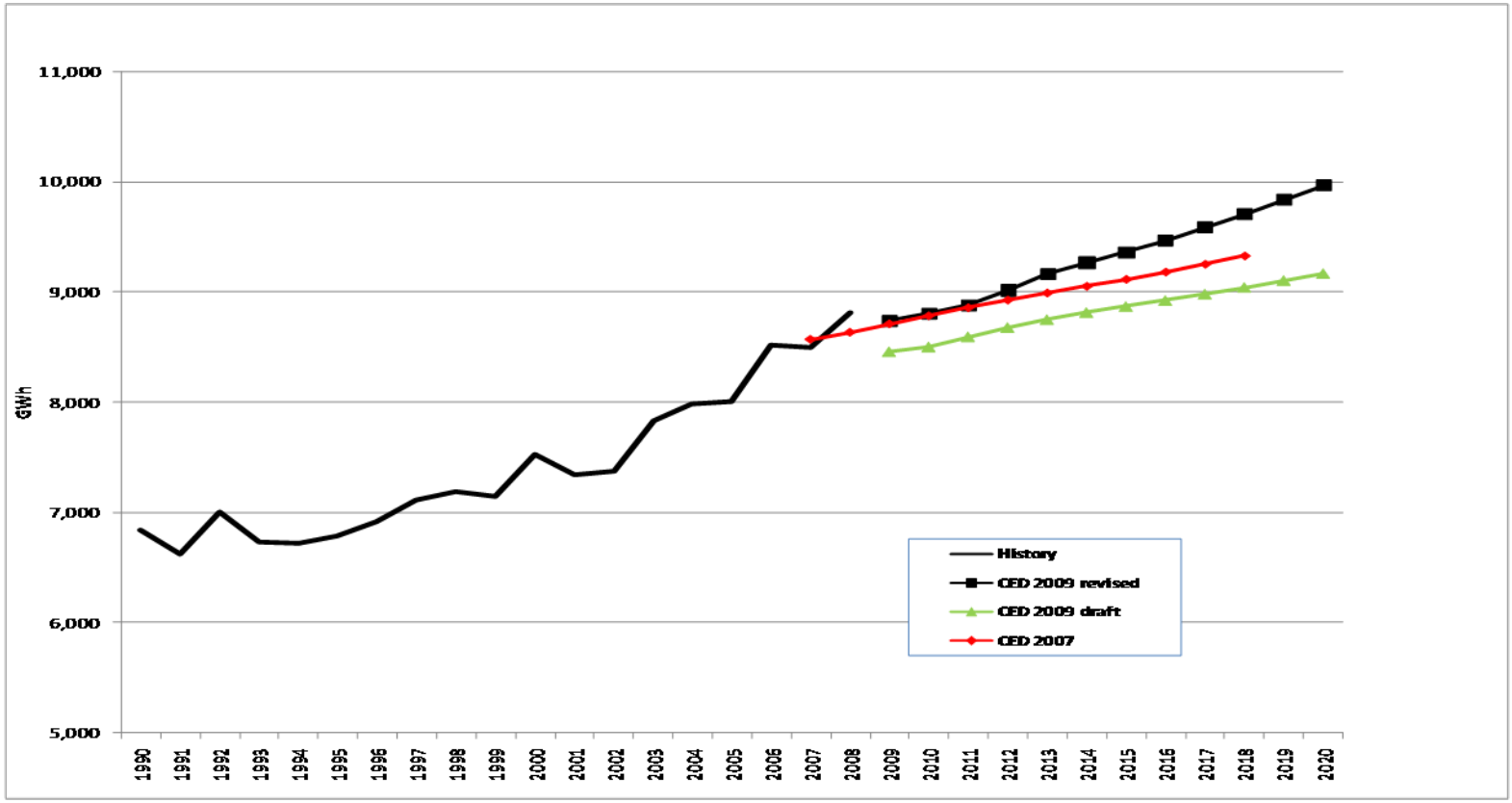


LADWP Residential Forecast

- Higher forecast caused by higher income projections
- Reduction in persons per household adds more households given the same population
- Grows at faster rate after recovery
- Use per household now increases slightly after recovery
- Peak increases similar to consumption

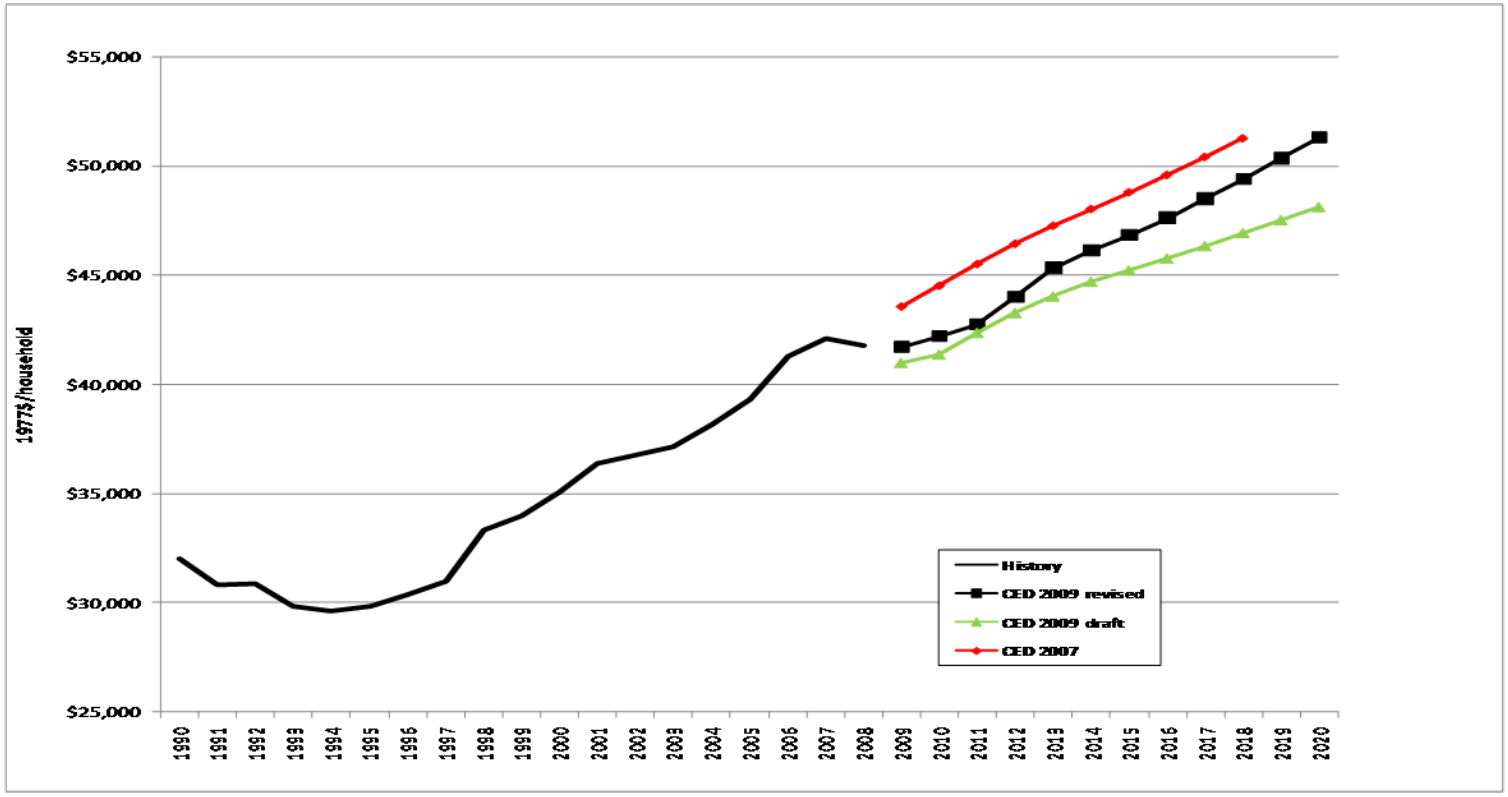
LADWP Residential Consumption

- higher forecast caused higher income projection, more households



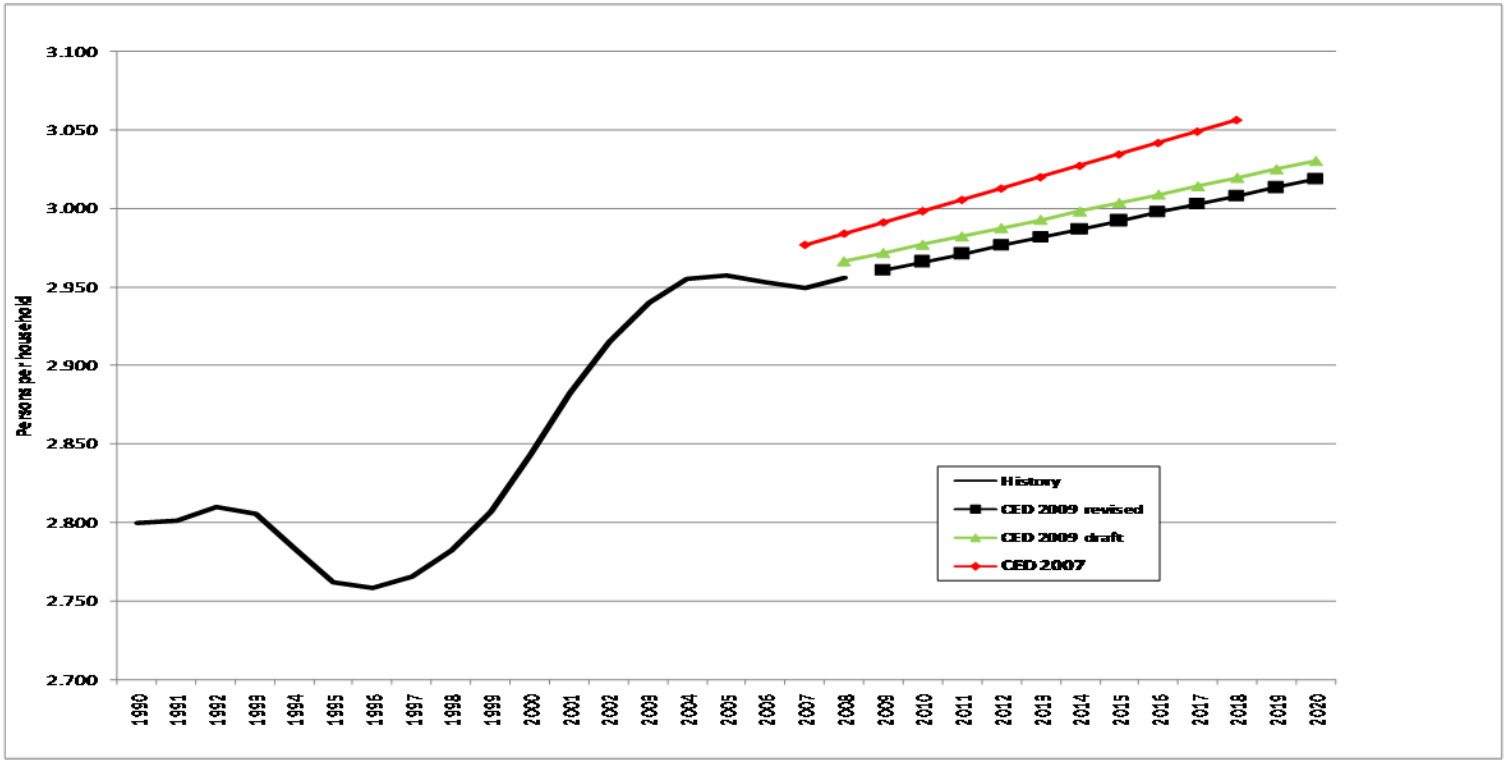
LADWP Household Income

- now no drop, higher growth



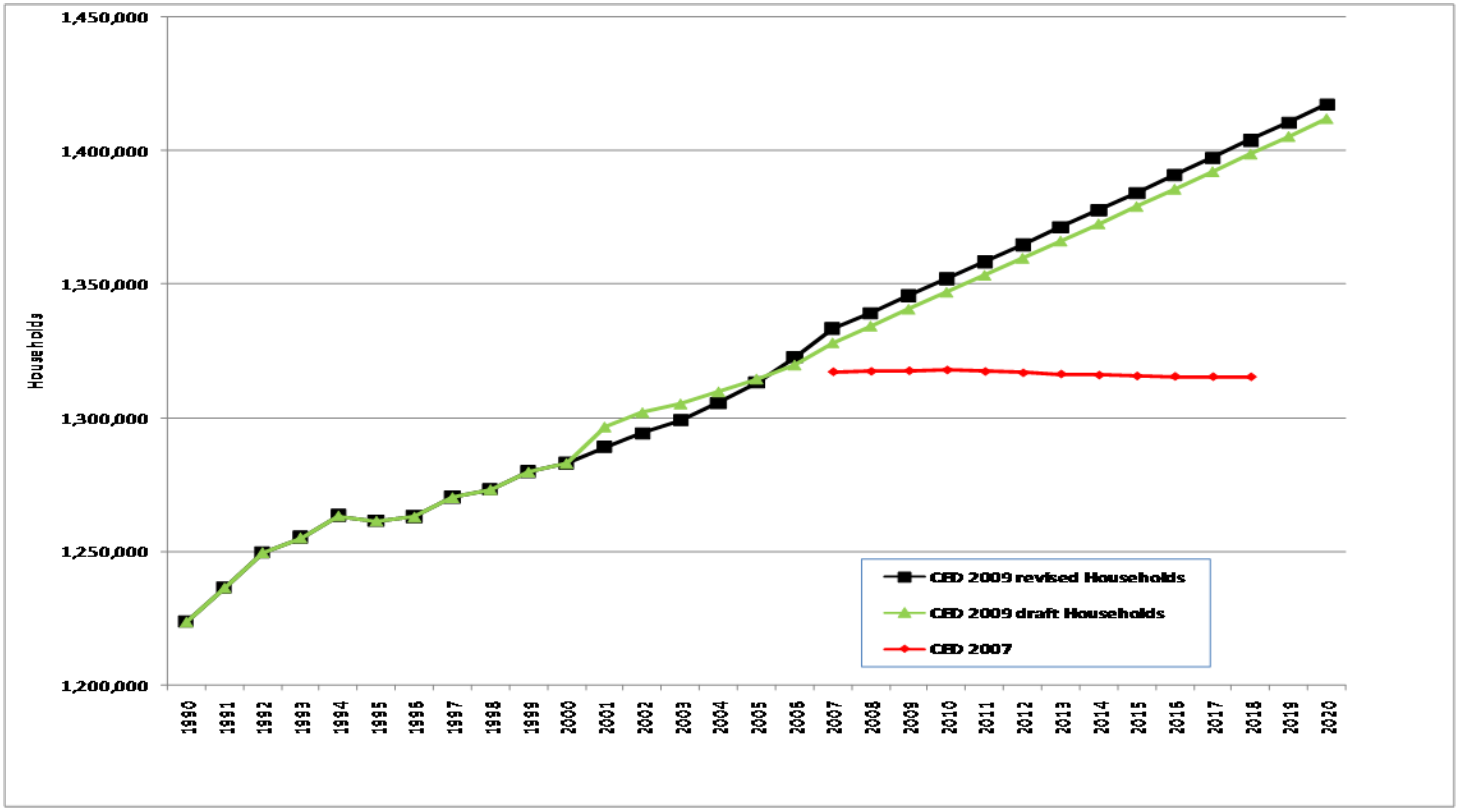
LADWP Persons per Household

- lower persons per household ….



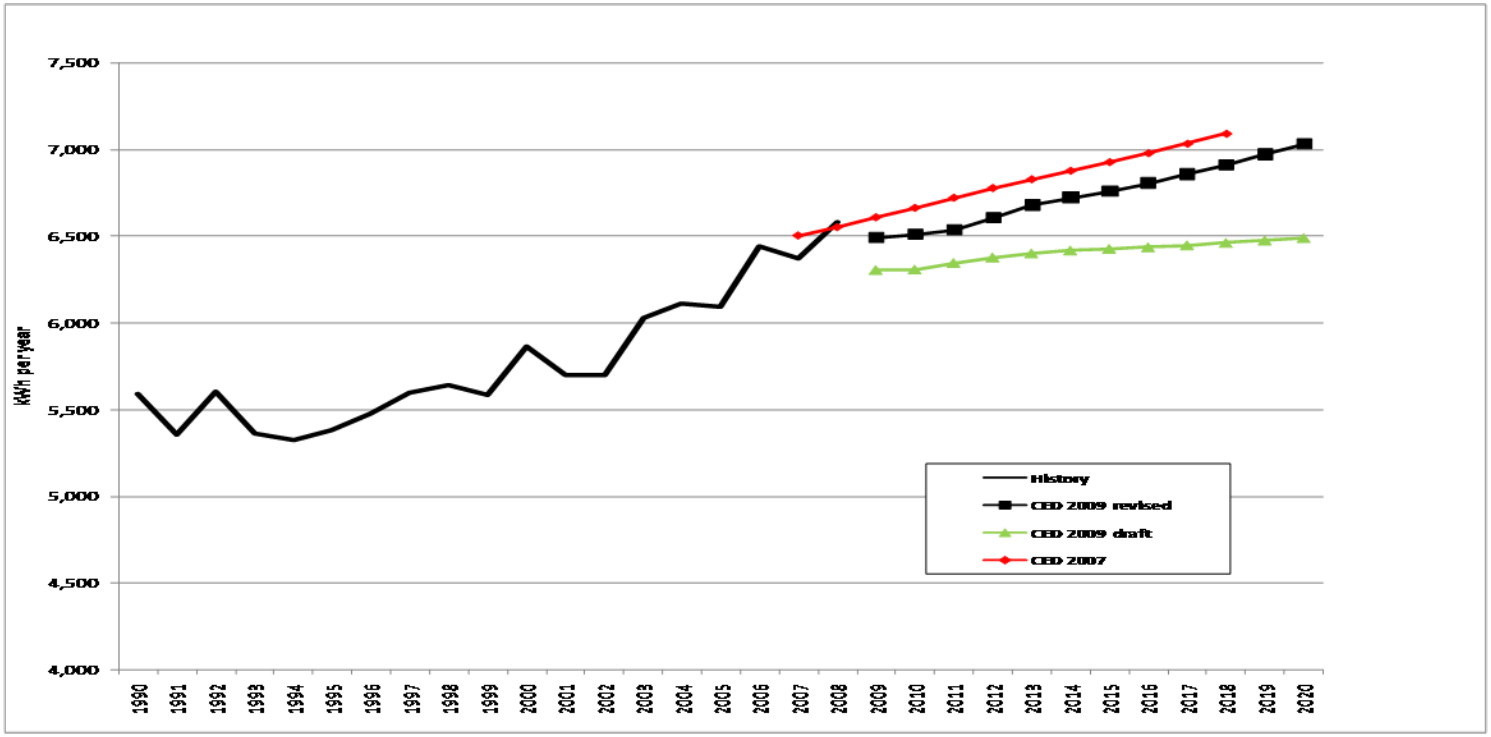
LADWP Households

- ….increases number of households 0.4%



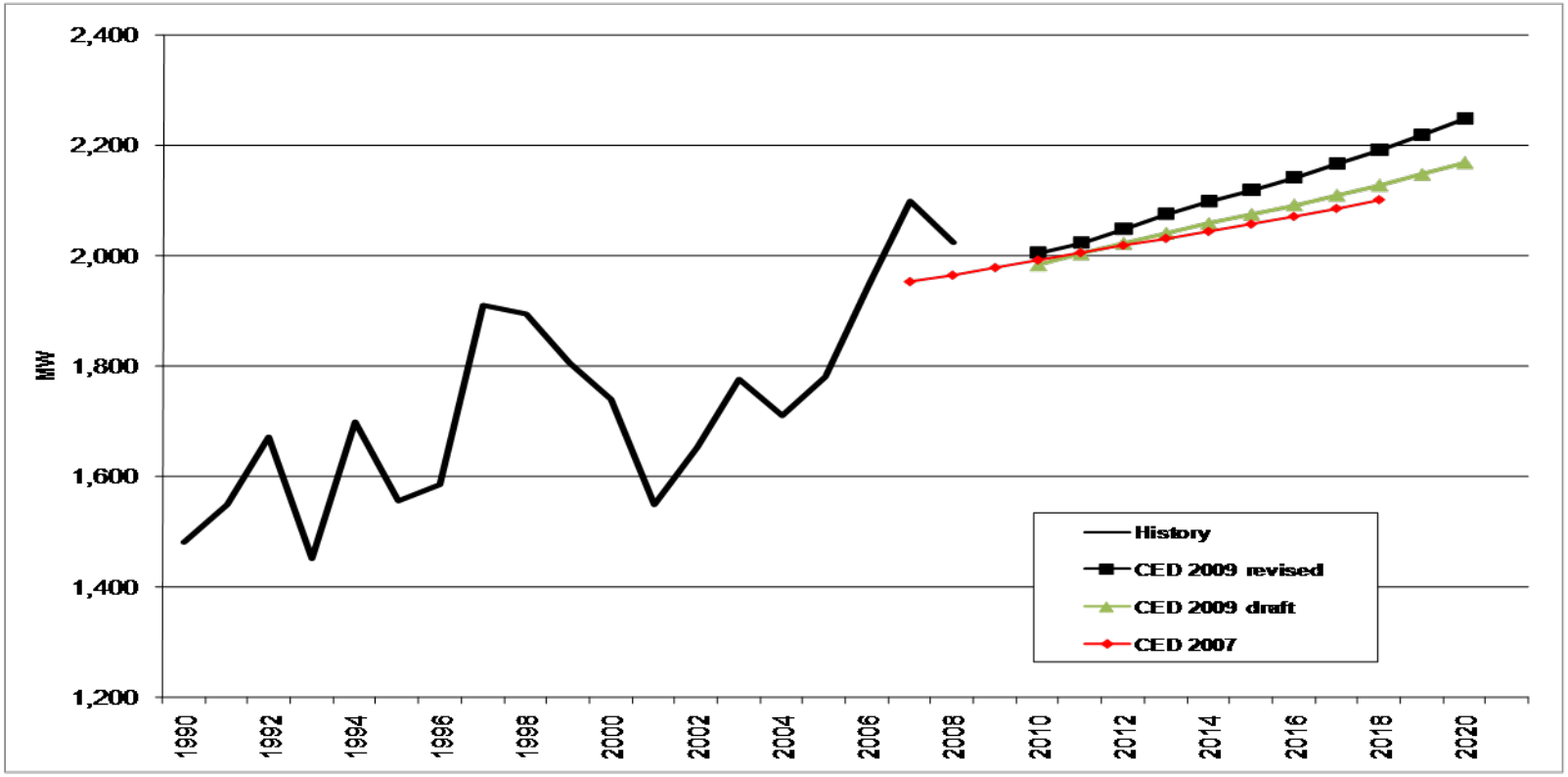
LADWP Residential Use per Household

- increased starting value incorporates 2008 history



LADWP Residential Peak

- similar to consumption differences

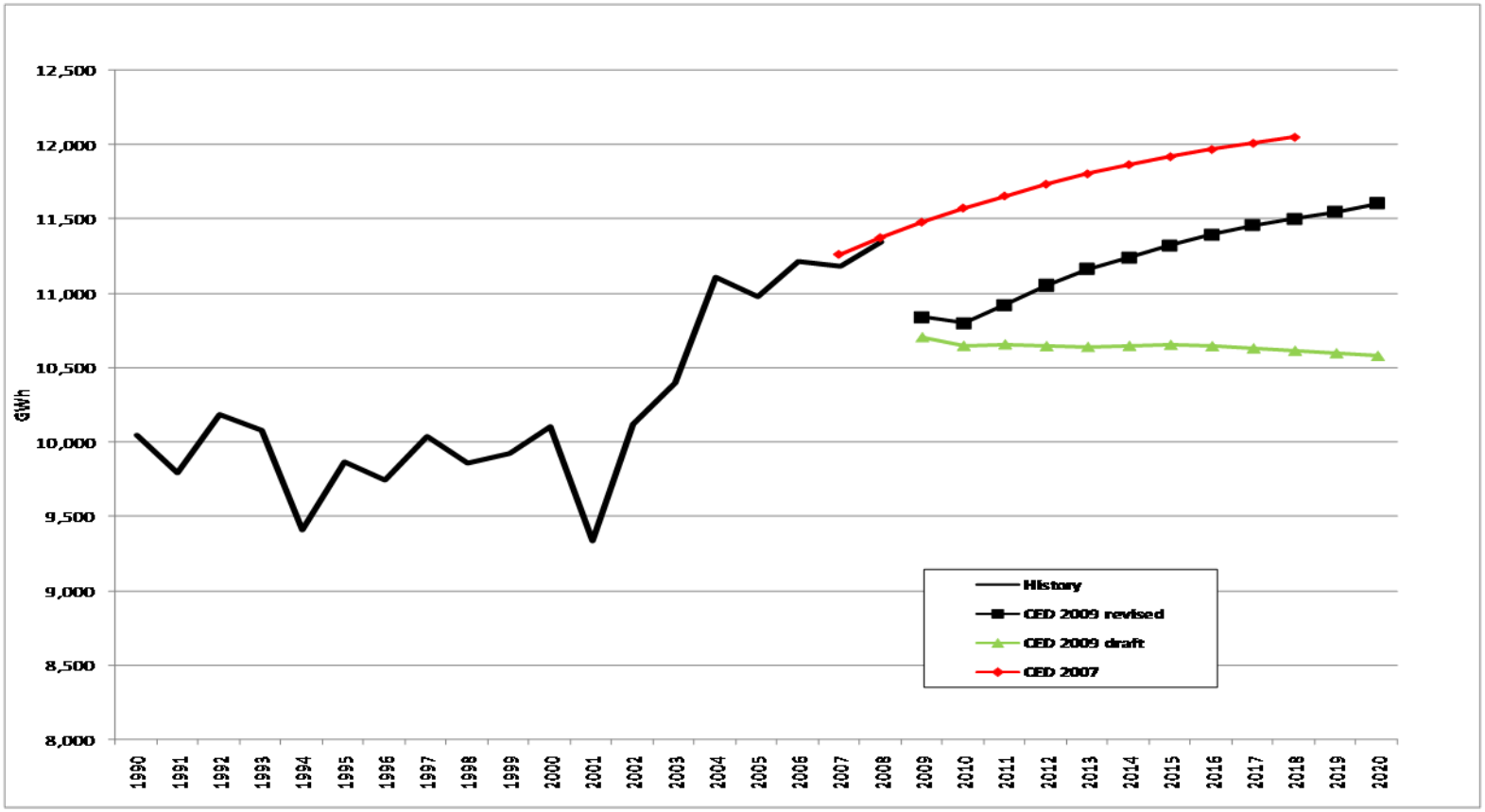


LADWP Commercial Building Sector

- Revised consumption forecast higher than draft caused by increased floor space projections
- Projected floor space now similar to CED 2007
- Peak results mirror consumption forecast

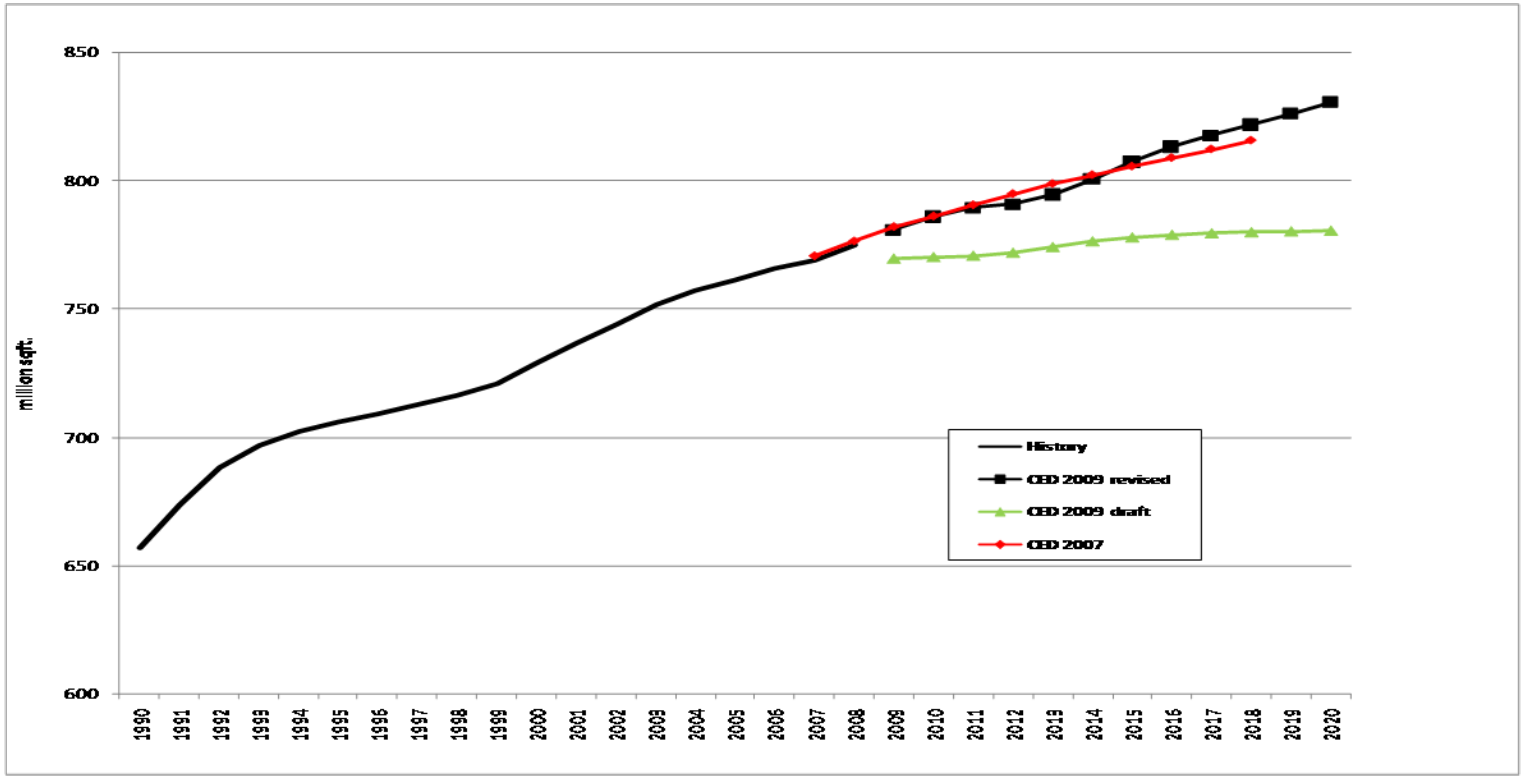
LADWP Commercial Building Consumption

- revised increases similar to CED 2007 rate from lower initial level



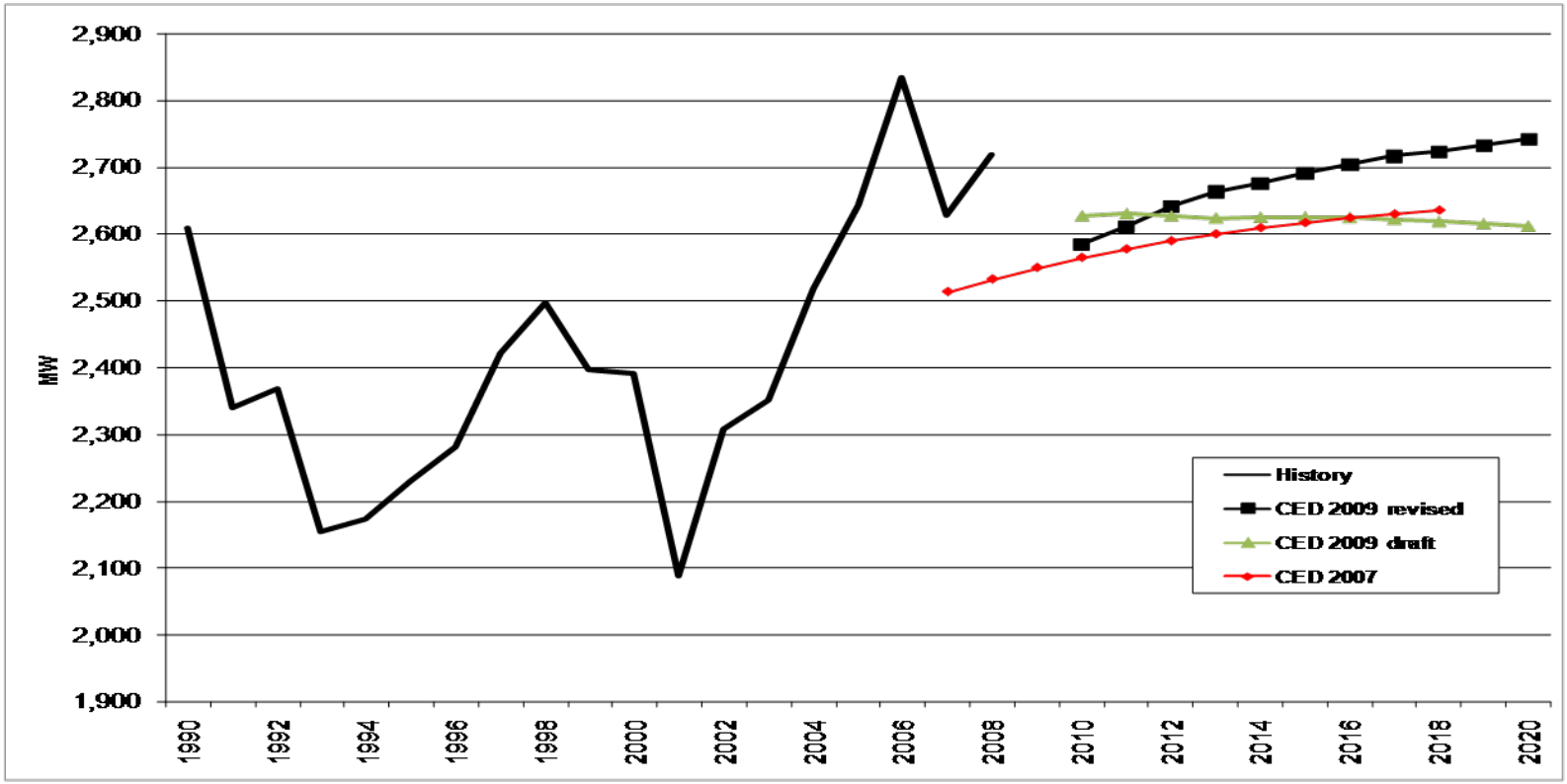
LADWP Commercial Floor Space

- revised forecast now similar to CED 2007 projection



LADWP Commercial Building Sector Peak

- now higher than previous forecasts

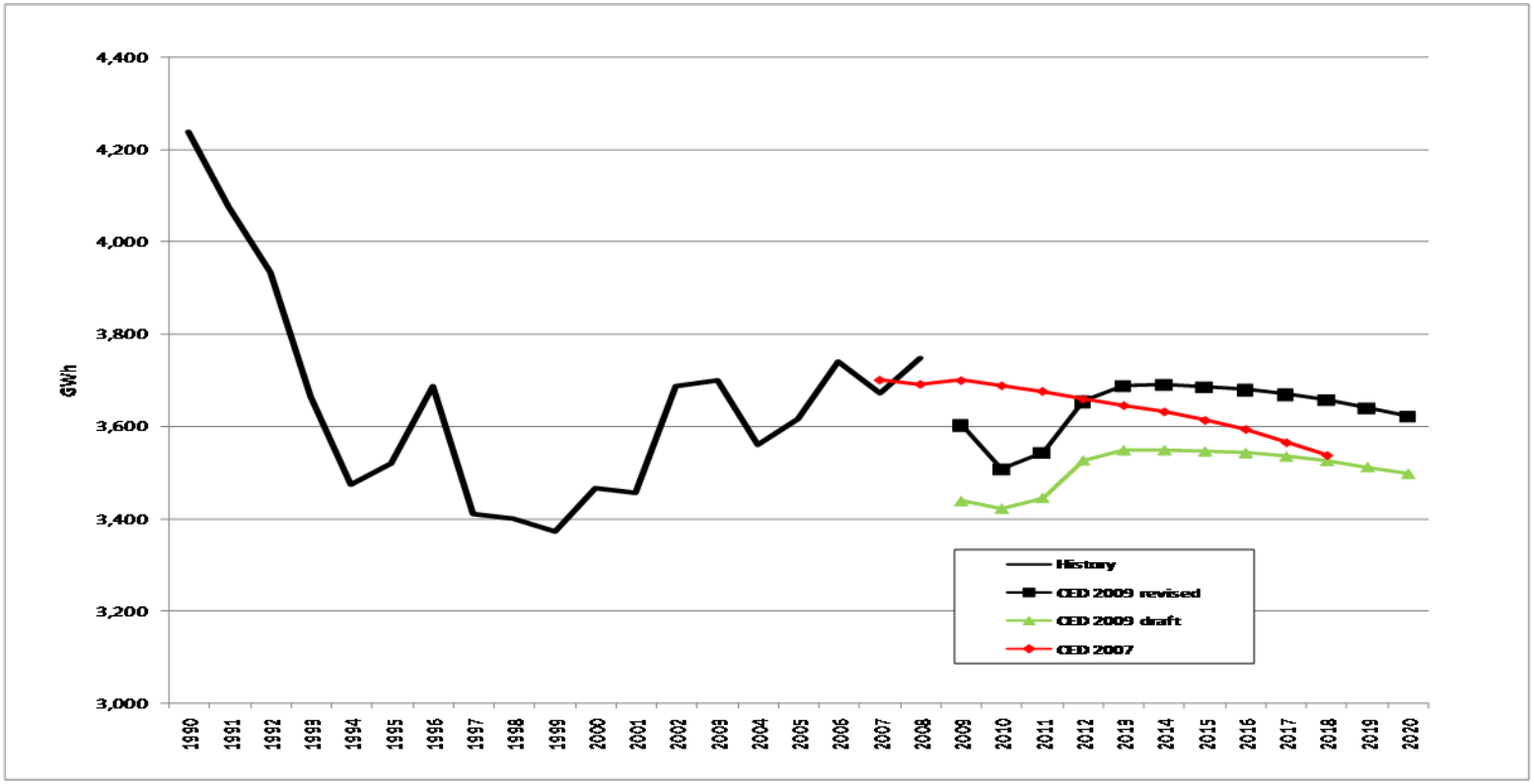


LADWP Industrial Sector

- Higher starting value
- More rapid recovery than other sectors
- Peak and energy forecasts now higher than CED 2007

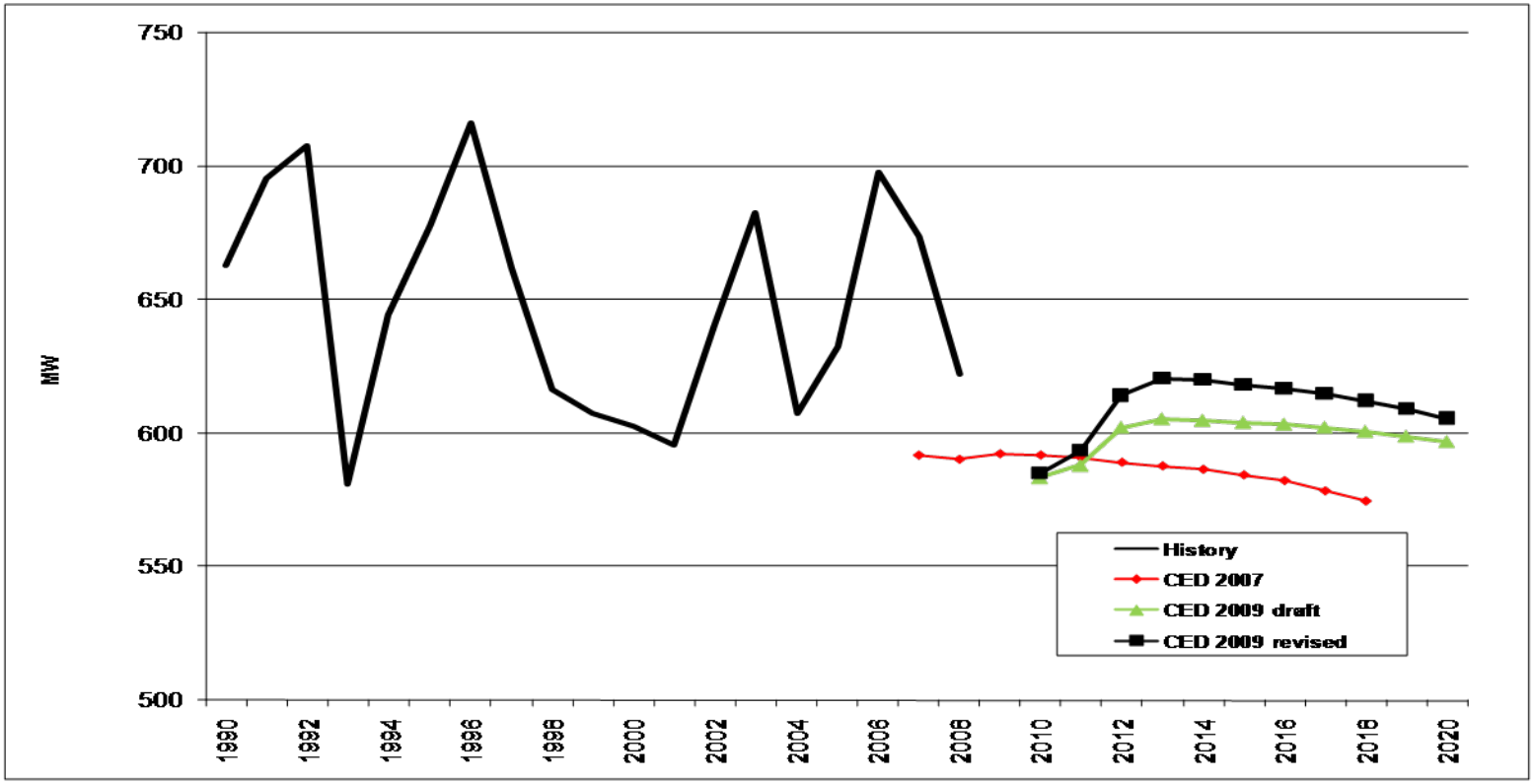
LADWP Industrial Sector Consumption

- greater recovery from economic downturn

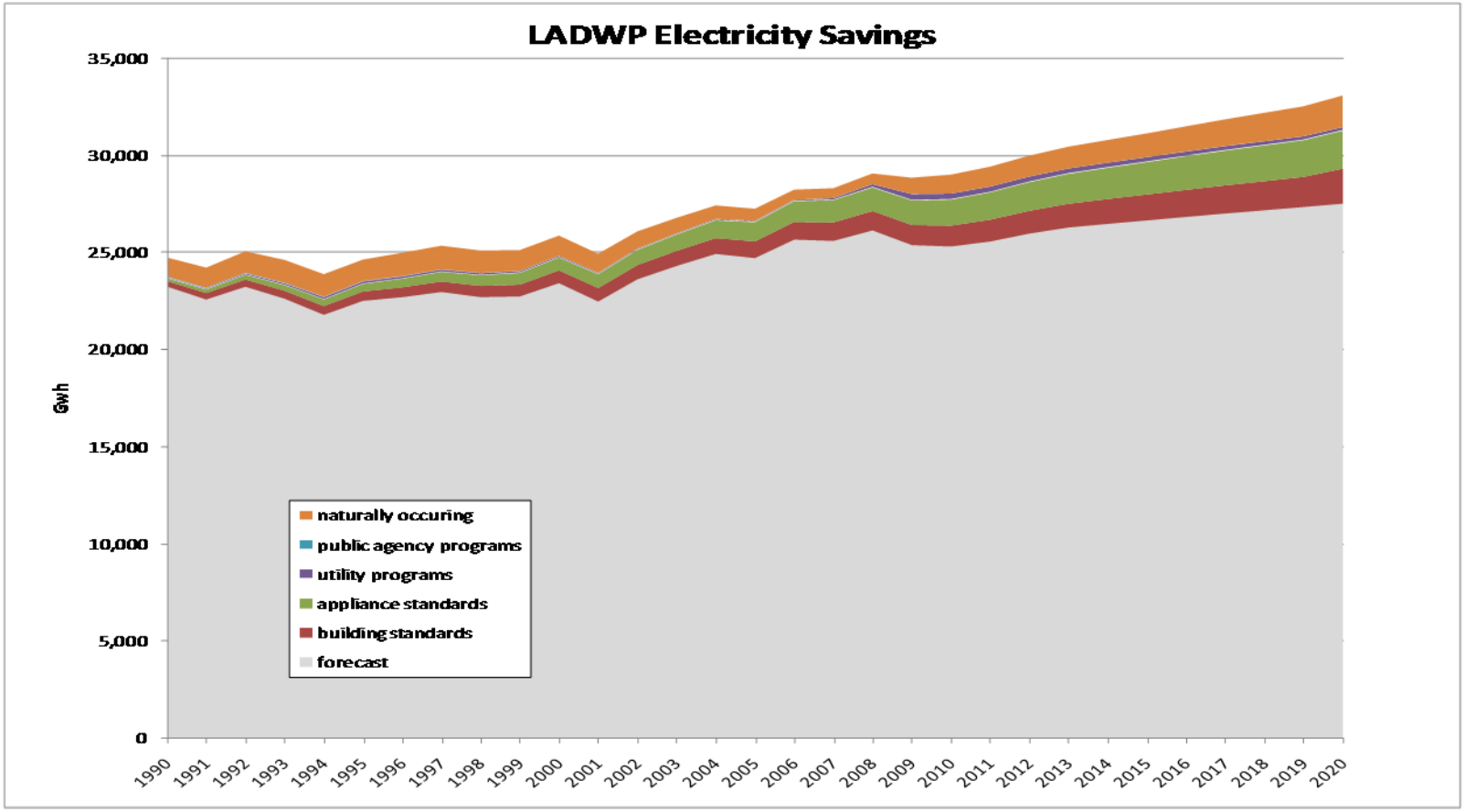


LADWP Industrial Sector Peak

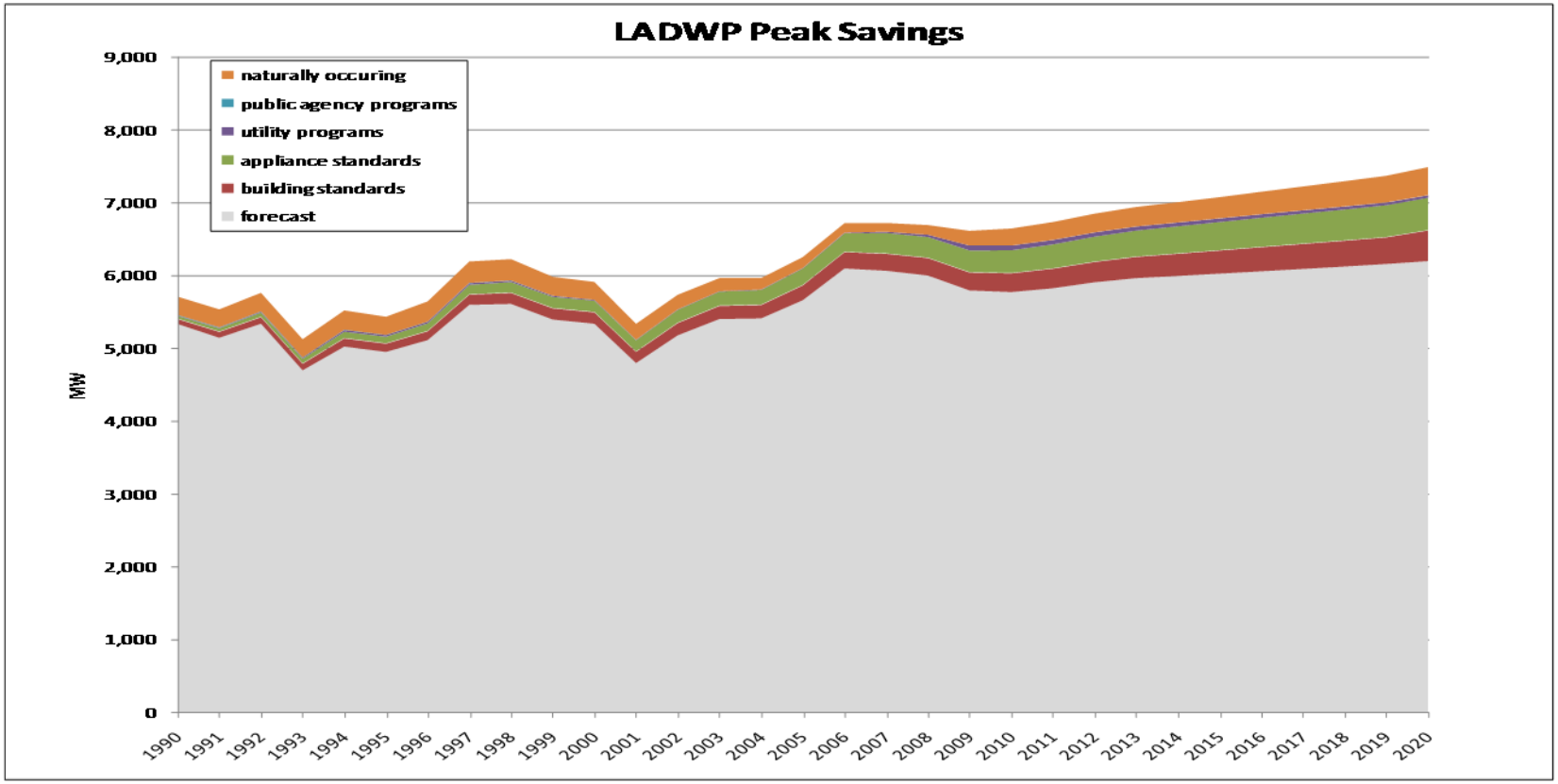
- differences similar to consumption differences



Total savings 20% of forecast by 2020



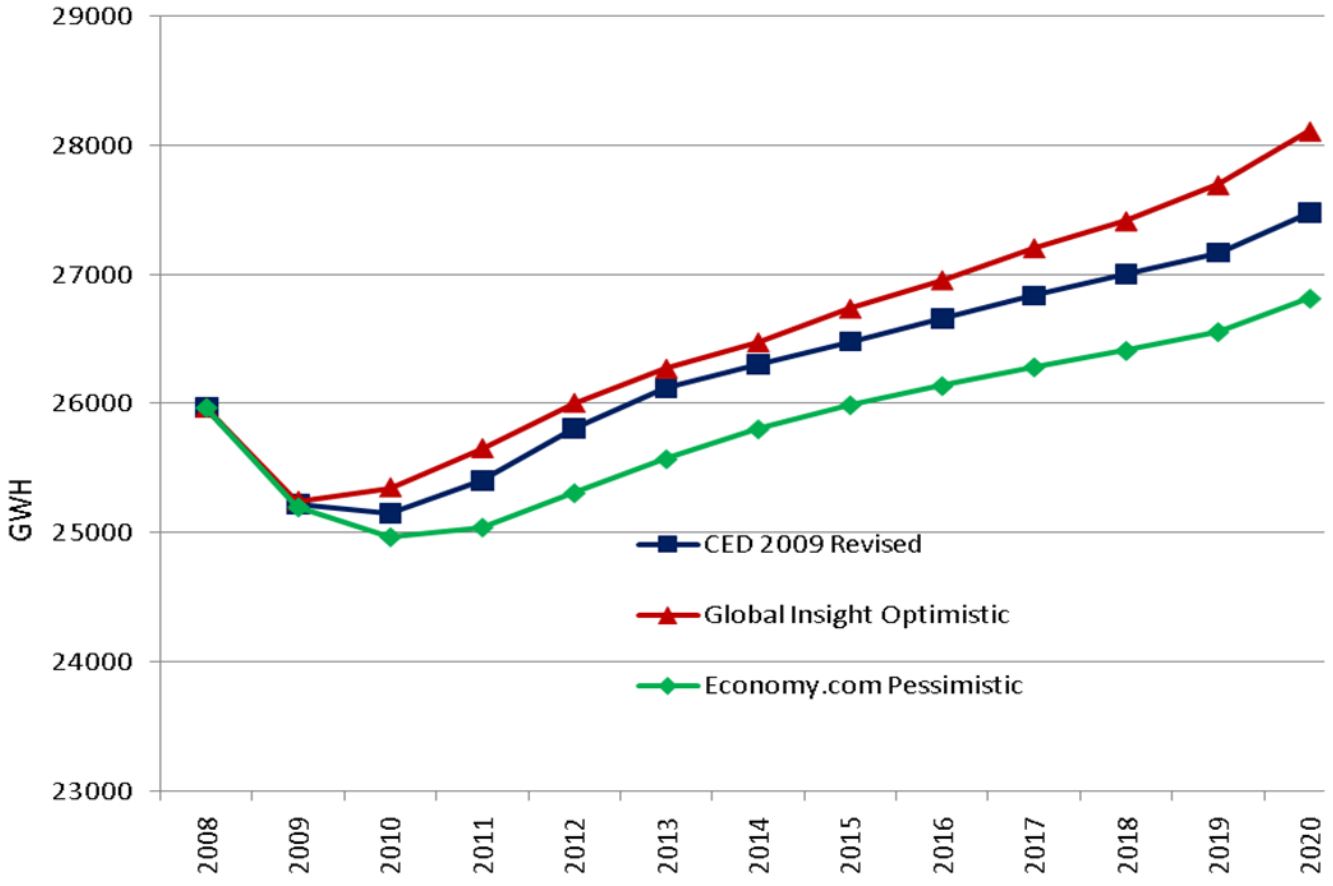
Total savings 21% of forecast by 2020

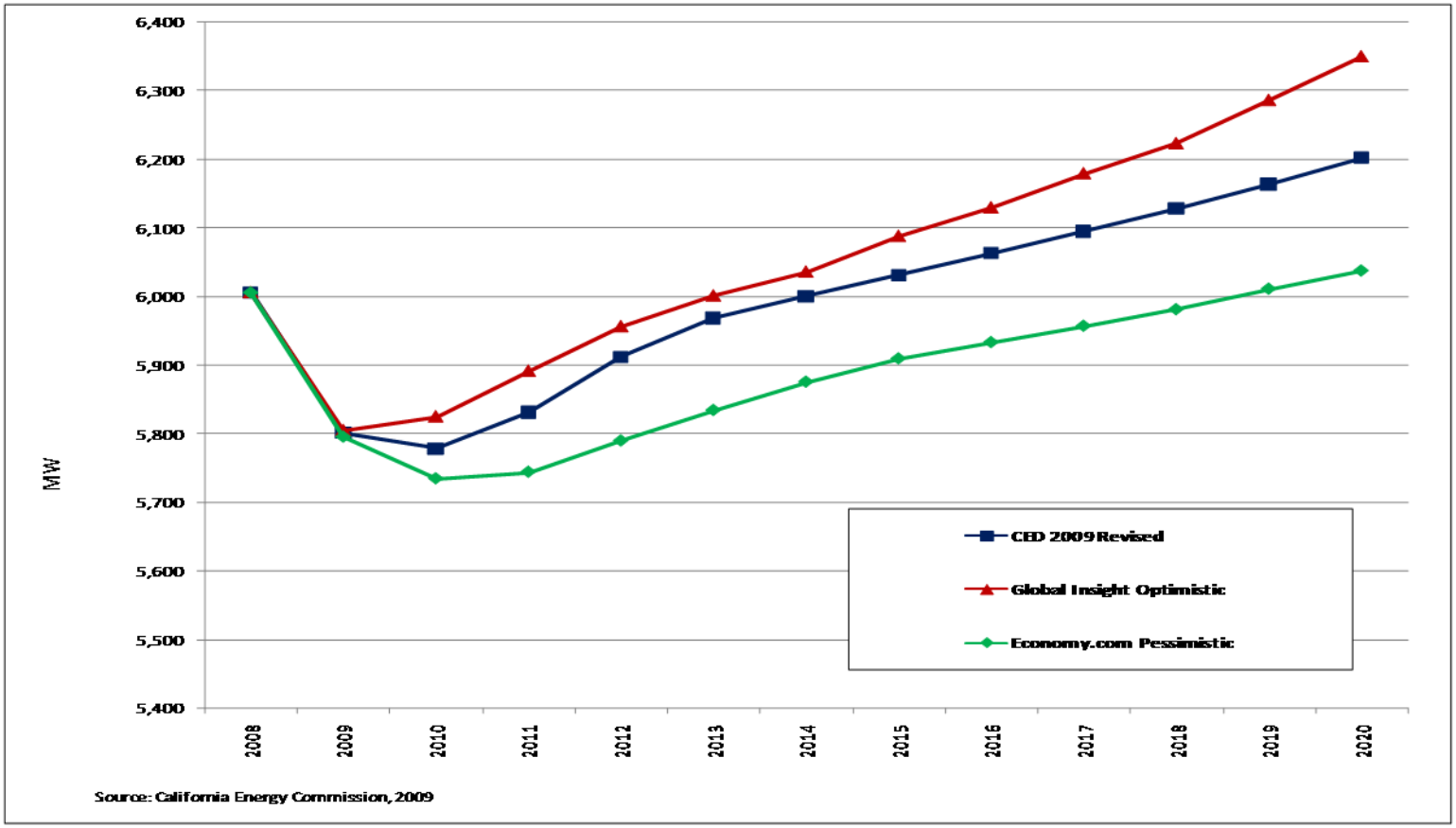


Economic Scenarios

- Consumption and peak increase about 2.3% in high case
- Consumption and peak decrease about 2.5% in low case

LADWP Economic Scenarios (consumption)



Source: California Energy Commission, 2009

LADWP Economic Scenarios (peak)