

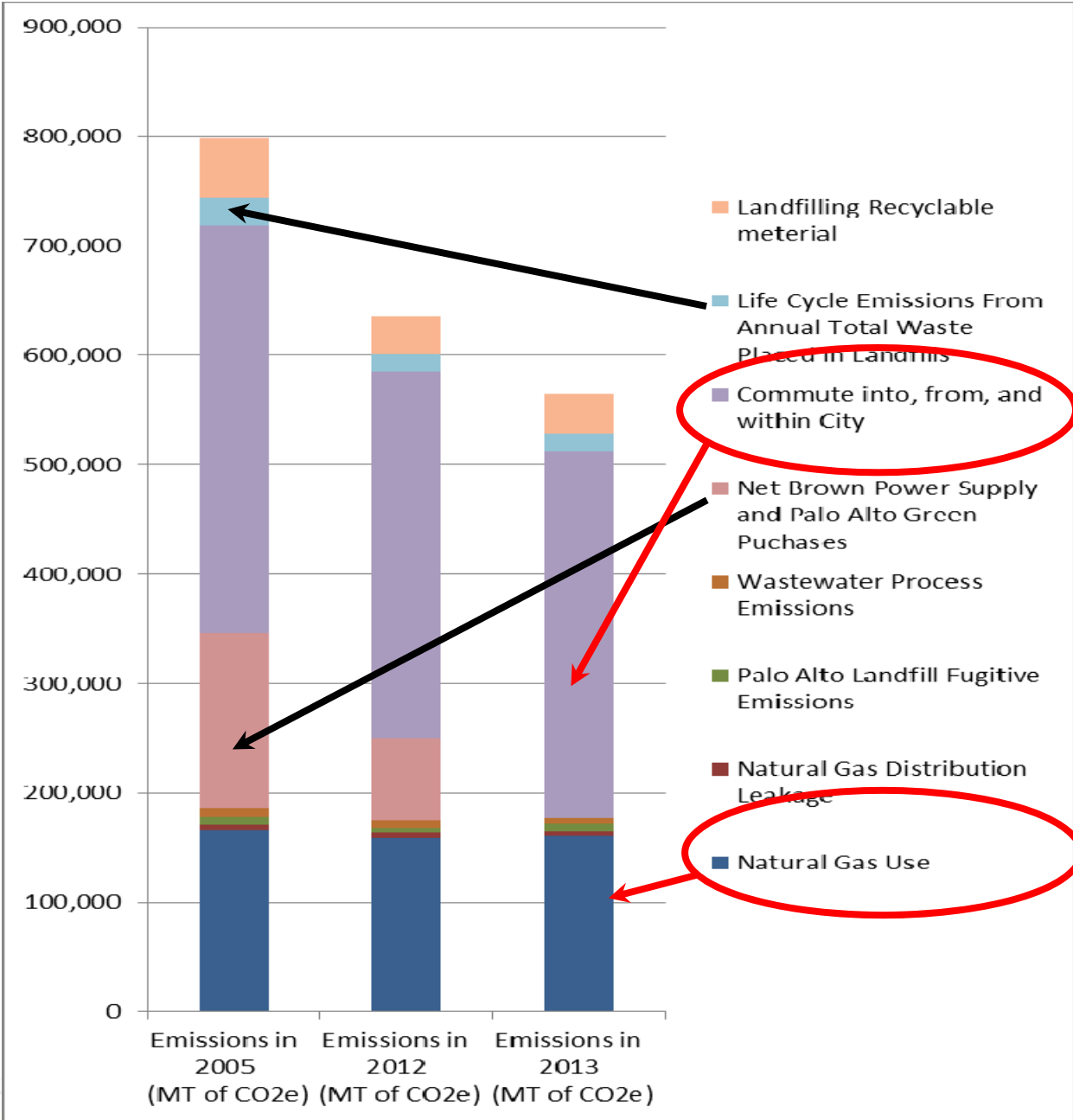
COPA, S/CAP, MaaS

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A “sustainable city” can





Mobility

Electrification

Neutral?
Net Zero?
Net Positive
Regenerative?

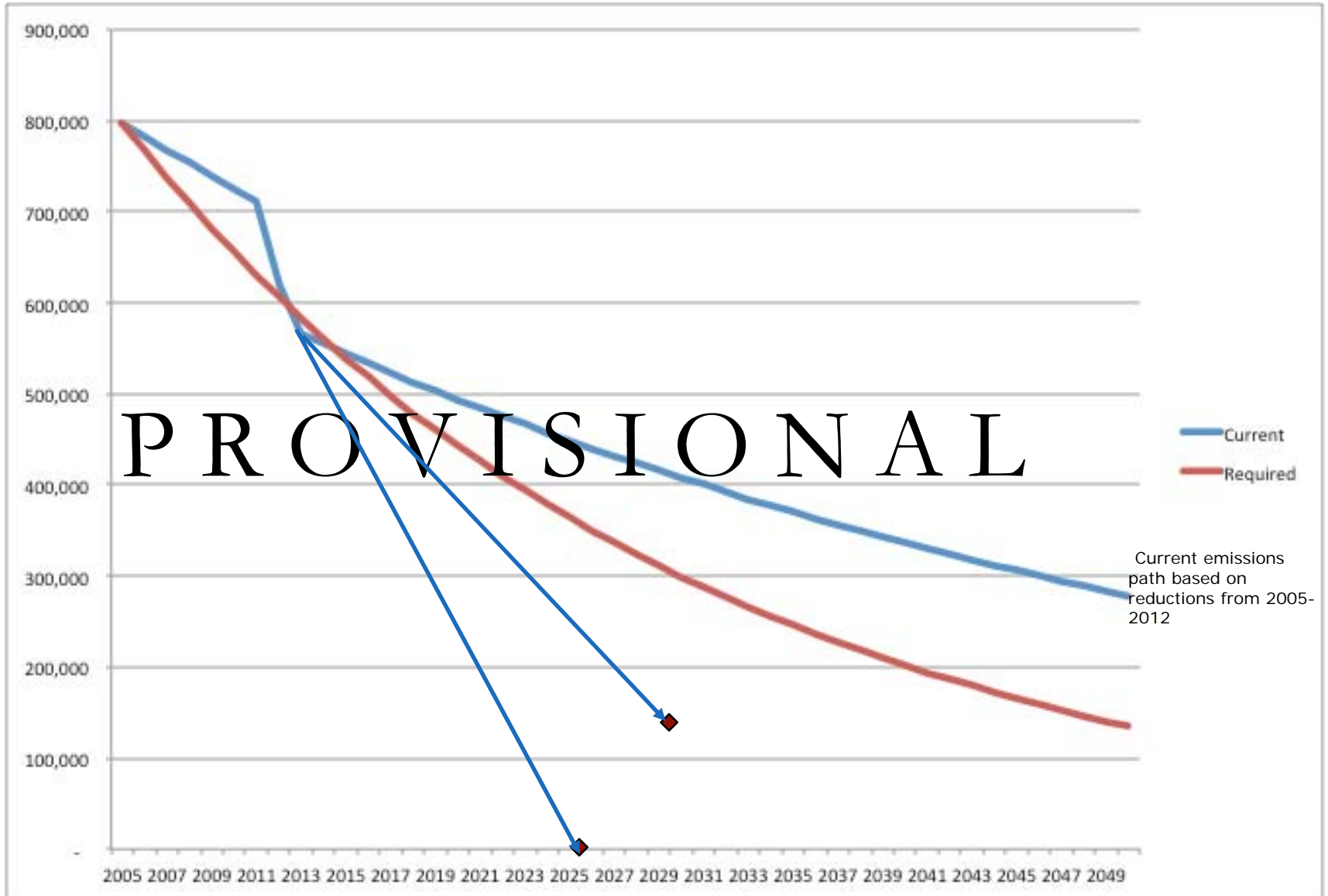
Water

Finance

Moonshot

Emissions, Current vs. Required

(2005-50)*



Global Benchmarks

CITY	KEY MEASURE	GHG GOAL
Barcelona	Open Gov't + Intelligent Energy Network	20% reduction by 2025
Amsterdam	Smart City Investment Funds	40% Reduction by 2025
London	Carbon Measurement + Congestion Pricing + ZEV Taxis	30% reduction by 2025
Ft. Collins	Smart Grid + Efficiency pricing	Carbon Neutral by 2050
Seattle	Integrated transit planning	Carbon Neutral by 2050
Copenhagen	Carbon Free Mobility and Energy	Carbon Neutral—and 75% bicycle commute mode share—by 2025.
California	AB32 Net zero buildings	80 x 50 New residential 2020, new commercial 2030.
	Renewables	50% renewables by 2030

We've done a lot...

- 2007 Climate Protection Plan
- 154+ initiatives
- Carbon neutral electricity
- Green building
- EV readiness
- Local Solar Plan
- Urban Forest Master Plan
- Energy/compost facility
- PV permit streamlining
- Bicycle Boulevards

...with lots more in the pipeline

- Climate neutral utility? Fuel switching
- Power of the purse—public & private: “Default to green.”
- Power of performance: “We go first!”
- Transform transportation: Car-free city?
- Cyclical economy
- Open, transparent, streamlined
- Sustainability dashboard & Open Data
- Green Team
- Process improvement
- Policy directory
- Finance: “total cost of operations” + “cost of externalities”
- “Future generations” policies.
- Water

Big Questions

- Shall we become a **carbon-neutral** city? How fast?
- How will we reduce or eliminate the 60+% of our carbon footprint contributed by **transportation**?
- How will we reduce or eliminate the 30+% of our carbon footprint contributed by **natural gas**?
- How will we **adapt to climate change**?
- How would Palo Alto adapt to a possible “new normal” in California’s **water** regime?
- Since it’s not only about carbon, **what other sustainability goals** should we pursue?
- **What goals will *you* pursue?**

