

The Challenge To Change: Sunrise Powerlink

Opposition To All East-West Routes

Support of Non-Wires Alternatives
Page 20, Notice of Second Round...

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Characterization of Today

- The inputs and sources of human activity are directly threatening tomorrow's existence; the planet can no longer effectively recycle human outputs: hence,
 - global warming
 - damage to the overall hydrological cycle
 - soil and forest erosions; species loss implicating a mass extinction is now underway
 - human conflict, disease, and tragedy competing for the basics: clean air, water, food and shelter
- The planet is not growing ... therefore, there are limits to material growth. Efficiency not expansion and conservation not waste are the only reasonable alternatives.

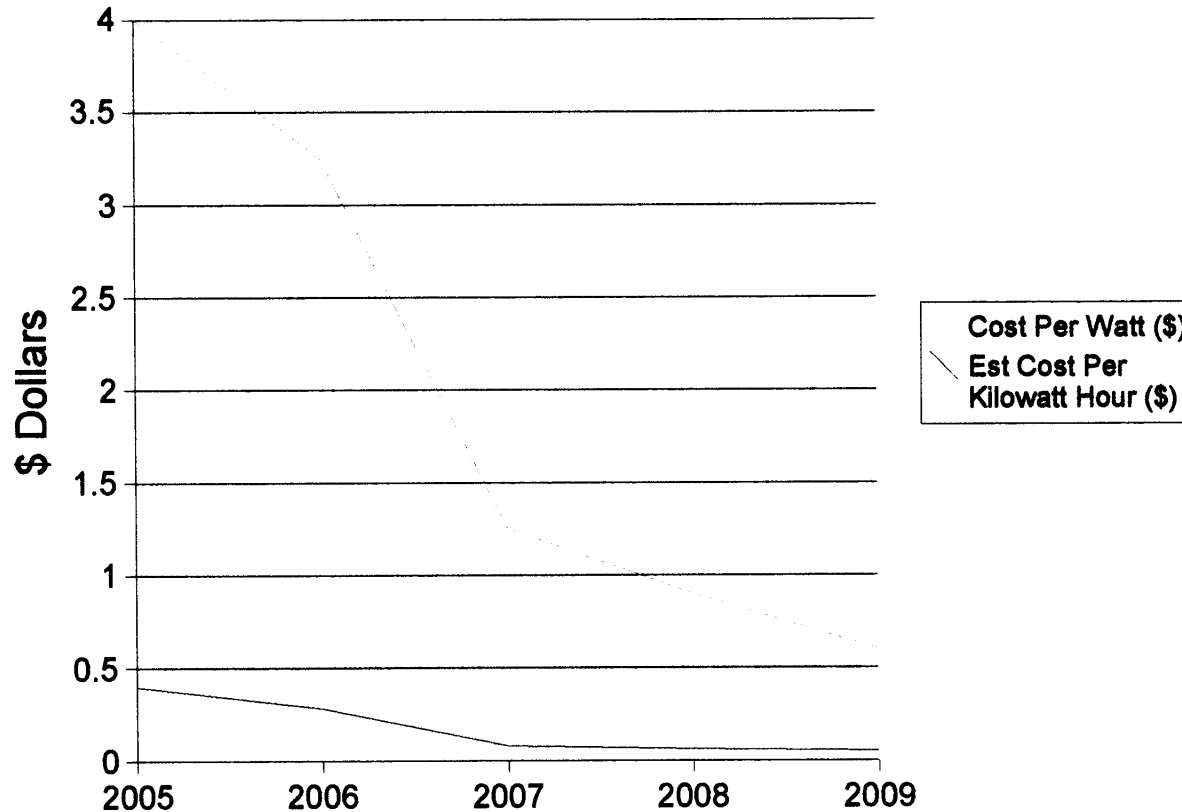
SDG&E: Be The Utility of Tomorrow

- In times of change, there are great opportunities for leadership, financial gain, social merit in looking over the horizon, not the rear-view mirror.
- The dinosaurs of yesterday are gone. Bury Sunrise and give birth to:
 - In-Community Self-Generation
 - Distributed, Internet-style energy production
 - Cooperative, shared systems of production, distribution, cost, revenue and profit
- San Diego County is your willing partner in renewable energy: **GO WITH THE FLOW**

CPUC: Be California's Guardian

- Powerlink is a gross example of destructive, outdated, costly and wasteful “draw-down” of critical resources. It contributes to overshoot.
- CPUC acts as the state's “Governor” for our ship. Powerlink is a shipwreck! Act by supporting the Non-Wires Alternatives.
 - Work with SDG&E and its parent to move aggressively in adopting carbon-free energy.
 - Ratepayer monies for infrastructure are critical to allocate to technologies which do not contribute to efficient, in-community, carbon-free generation.

Cost History, Photovoltaics

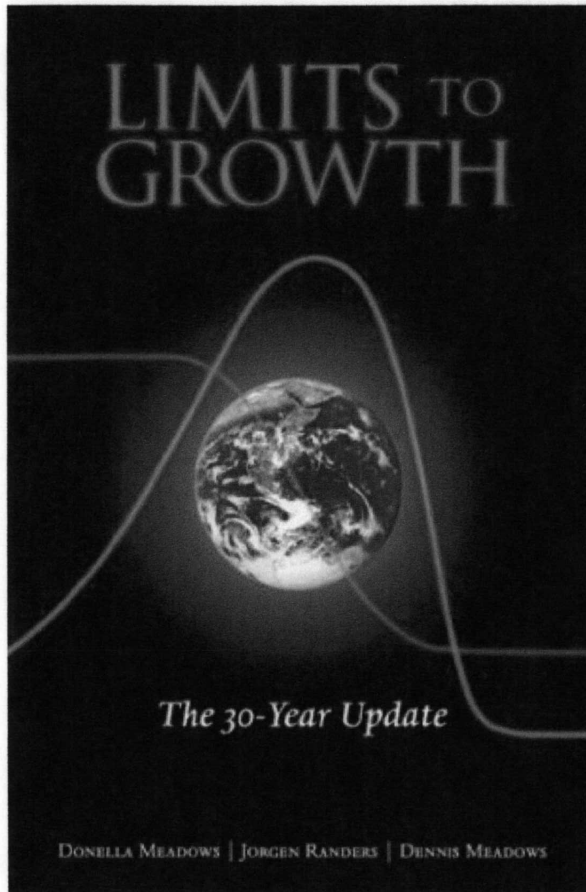


- Recent history and short-term trends show dramatic opportunity for profitable deployment of PV technology
- PV Technology benefits from 40 years of manufacturing science, investments by the Department of Energy and Defense, and now, venture capital in building the silicon bridge to cost-effective, pollution-free electricity.

Conclusion

- **SDG&E and CPUC to affirm the Non-Wires Alternative as being in the best long-term interest of all parties.**
- **Develop cooperating community-based programs for distributed, local generation using PV, Wind, Fuel Cells. Embrace and magnify the California Solar Initiative in SD County.**
- **Aggressively educate the public on the limits to growth; the necessity for conservation; the efficient use of all resources including electricity.**

References



This is just an exceptional book.

It makes sense of human activity with a “systems methodology”. Inputs, outputs, sources, sinks and throughput.

Of the many books I have read including Cadillac Desert, Overshoot, Water Follies, and Living Within Limits, this book does more to explain the urgency of the challenge to change.