
From: Bonnet, Bill
To: Hamayasu, Toru
Sent: 8/21/2006 3:51:03 PM
Subject: RE: Draft Energy Technical Report

Thanks Toru. Confirming receipt. I'll circulate this to a few key people and we'll establish a meeting to discuss.

From: Hamayasu, Toru [mailto:thamayasu@honolulu.gov]
Sent: Monday, August 21, 2006 10:00 AM
To: Bonnet, Bill
Subject: FW: Draft Energy Technical Report

Bill,

Thank you for agreeing to discuss the rail energy consumption and its impacts to HECO. Attached is the draft energy report from PB. E-mail below summarizes the highlights. I look forward to your call to set up a meeting to discuss this issue. My office number is 527-6978.

Toru

I have attached the DRAFT Energy Report. Most of the report is dedicated to gasoline consumption, but fixed guideway electricity use is calculated in Table 5-2.

In summary, by 2030, the fixed guideway alternative would have a daily electricity demand of between 1,800 and 2,300 Million BTUs (550 to 670 Mega Watt Hours) per day depending on alignment selected. Peak load would be on the order of 60 MW. Annual energy consumption about 200,000 MWH +/- 20%.

In the year of opening (2012) our energy demand would probably be about 1/3 of the 2030 projection, or about 200 MWH per day, with a peak demand around 20 or 30 MW.

As more of the system comes online (say 2015) this would increase to probably 400 MWH per day, with the full demand coming online around 2020 or so.

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