

## **Memo on Carbon Intensity of RMLD Power Supply from Commissioner Talbot**

To guide decisions on setting clean energy policies/goals and reducing carbon emissions, I suggest the RMLB request data and options on the two main ways to achieve this: reducing carbon-intensive power supplies and increasing renewable/nuclear ones.

*“A” and “B” should not take too long—the information is in hand. “C” can be done in two or three meetings with board input, and “D” could just become part of our process.*

### **A: Data Request on Oil/Gas Power Supply – Especially Peak/Intermediate Power Supply**

Reducing use of carbon-heavy resources may represent low-hanging fruit and may save money.

- 1) List the peak or intermediate fossil-fueled plants we use
  - i) Stony Point – Oil Peaking Unit
  - ii) Stony Point – Gas/Oil Intermediate Unit
  - iii) Other similar oil or gas peak or intermediate plants (to discuss)
- 2) What do we pay per mWh from these (including all related costs), how does that rank?
- 3) How many days/hours does RMLD use each of these plants?
- 4) What is the relative carbon intensity of these plants (can wait on this)?

### **B: Data Request on Current Renewable and Other Carbon-Free (Nuclear) Power Supply**

- 1) We are not regulated with respect to renewable supply. In all our presentations, express our current and proposed renewable and nuclear percentages two ways
  - Under the proposed Golden Bill definitions
  - Under the Massachusetts RPS/CES definitions
  - Provide separate percentages for nuclear and for renewables.

### **C: Goal Setting: Rank Order Based on Cost/Benefit in terms of Carbon-Reduction**

1. Propose ways to reduce use of carbon-intensive power plants
  - Further boost peak-shredding messaging/education
  - Add local grid storage
  - Other steps TBD
2. Propose goals for nuclear and for renewables (two different percentage numbers)
3. Provide options and associated costs for achieving even higher percentages
4. Provide rate options for covering higher costs for achieving higher percentages.
5. Public and CAB should hear and weigh in on the options. Board votes after process.

**D: Provide Data and add Board approval step on REC sales.** Provide: what is the proposed sale, what is the potential revenue, what does it do to renewable goals (and rates), and who is the buyer? This is not a challenge to our policy. Our Board votes on many matters far more mundane than this. And going forward I think we should get more visibility on what we are doing and how each decision affects carbon goals, costs, and rates going forward. Thank you.