

DOCKETED

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| Document Title: | Steve Uhler Comments Please see that the acting public adviser relates the following points |
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Comment Received From: Steve Uhler
Submitted On: 5/10/2019
Docket Number: 19-BUSMTG-02

Please see that the acting public adviser relates the following points

Additional submitted attachment is included below.

May 10, 2019

Mr. Drew Bohan
Executive Director
California Energy Commission
1516 Ninth Street Sacramento, California
Drew.Bohan@energy.ca.gov

Please see that the acting public adviser, Jennifer Martin-Gallardo, in my absence from the commission's place of business or proceedings when a matter of interest to them is being considered at the May 15, 2019 business meeting, relates the following points to the legislative body of the Energy Commission.

For Agenda item 2. ALANA MATHEWS. Proposed resolution recognizing and commending Alana Mathews for her contributions to the Energy Commission.

Please relate my points overlooked by Ms. Mathews for the April 10, 2019 business meeting in my request in my absence found in this docketed item
<https://efiling.energy.ca.gov/GetDocument.aspx?tn=227510>

For agenda item 13. Lead Commissioner or Presiding Member Reports. A lead commissioner on a policy matter may report to the Commission on the matter and discussion may follow. A presiding member on a delegated committee may report to the Commission on the matter and discussion may follow.

Please welcome the new member of the commission's legislative body, Commissioner [Patty Monahan](#) Appointment Designation: Science/Engineering.

I am hope she will bring with her, knowledge that will have the commission move away from analog modeling.

Perhaps the use of [W. Edwards Deming's principals](#) and discrete event scheduling will better reflect the just in time nature of electric power generation and use in California's goals metrics.

Analog modeling may seem to work for batch and queue production. Batch and queue requires storage, as indicated by modeling formulas that average generation and hide critical paths. Perhaps this is why the "Duck chart" appears to have merit.

Forecasting through analog modeling limits progressing of the forecast through time.

Forecasts are typically wrong because of condition changes.

It can be said of your system, it is perfectly designed to get the results you are getting. If you want different results, change your system.

A paradigm shift is required.

Discrete event scheduling would better reflect the just in time nature of electric power generation and use, making the “Duck chart” unremarkable.

Discrete event scheduling will better match the just in time ([kanban](#)) nature of electric power generation and use. Progressing of schedule can be done in real-time to better plan use of the grid. This will allow solutions to be applied and adjusted by using actionable information.

The Japanese know this as [kaizen](#) (continuous improvement) that drives out [muda](#) (waste or inefficiencies). Discrete event resource planning can support multiple “what ifs”.

Ask Toyota Corporation to present on [Deming](#), [muda](#), [kanban](#) and [kaizen](#). With Toyota's help [kaikaku](#) (radical change) may happen leading to climate goals being met earlier.

16. Public Adviser's Report.

Please see that I am supplied with the governing procedures for the adjudication of my petitions, rule making or otherwise.

Energy Commission's staff appear to make use of underground regulations or apply unequal application of Title 20 regulations.

17. Public Comment. Individuals may speak up to three minutes on any matter concerning the Energy Commission, with the exception of items appearing on this agenda or items related to pending adjudicative (certification or enforcement) proceedings.

I am ready to process any of the data that may have been made available to contractors in the [Docket: 18-MISC-05 Project Title: Disaggregated Demand Data Cleaning Workshop](#).

Please see that smart meter data is posted on the 18-MISC-05 web site. I have [supplied a dynamic privacy method](#) I believe will protect utility customer's privacy. It is based keeping customer identifiable specific information secure as arcane knowledge on a need to know basis.

Thanks,

Steve Uhler
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