

Attachment B: Energy and Sustainability Committee Motion

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| Item No: 7e Attachment B Meeting Date: October 24, 2017 |
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TO: Commissioners
FROM: Aaron Pritchard and Elizabeth Leavitt
RE: Energy and Sustainability Committee Recommendations
DATE: 10.24.17

This document reflects the Energy and Sustainability Committee recommendations as informed by input from community advisors.

Committee Priority Recommendations Covered by Current Resources

- Use Clean Energy Experts
- Reduce Emissions from Trucks Serving Container Terminals
- Establish Minor Changes in Leases
- Provide Port Support for Public Policy Initiatives
- Future Resiliency planning: Establishment of Microgrids

Top priorities for 2018 additional resource allocation

- **3.8 FTE's and \$921,000 in consulting services**
 - **3 new FTEs** to focus exclusively on sustainability efforts:
 1. Aviation Facilities & Infrastructure expert in energy conservation and production
 2. Maritime Environmental expert in Maritime Air Emissions and Green House Gas tracking and reduction (Climate Protection Program Manager)
 3. Maritime Environmental expert in Sustainability, with an emphasis on Sustainable Design principles (Sustainable Development Specialist)
 - **0.8 Partial existing FTEs** (*absorbed by the departments noted*):
 - 0.5 for PMG
 - 0.3 for Engineering
 - **\$921,000 in consulting services**

FTE and Consulting Services Allocation: Alignment with Century Agenda GHG Goals

| Century Agenda Goal: | Proposed Committee Actions: | Budget: | FTEs: |
|---|---|-------------------------------|-------|
| All GHG reduction goals: Pilot Framework for Evaluating Port Projects | <ul style="list-style-type: none"> ● Explore options for a Sustainable Carbon Funding model / internal carbon tax precursor to be built into the evaluation framework | \$30,000 consulting services | 0.00 |
| | <ul style="list-style-type: none"> ● Review project-related systems and processes. Include equity, efficacy (e.g., \$ per GHG ton reduced) and durability in evaluation framework. Emphasize energy production | \$200,000 consulting services | 2.05 |
| | <ul style="list-style-type: none"> ● Apply evaluation criteria up to 4 projects divided between maritime facilities, include one solar | | |

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| Century Agenda Goal: | Proposed Committee Actions: | Budget: | FTEs: |
|---|--|--|-------------|
| Reach 15% Scope 1 and 2 GHG reduction goal by 2020 (aviation) | <ul style="list-style-type: none"> Reduce natural gas use for heating the terminal (e.g., by procuring a source of renewable natural gas) Reduce natural gas use for powering the bus fleet (e.g., by electrifying the fleet) Explore other options for reducing natural gas use Evaluate the potential use of off-site production if on-site reductions are considered infeasible | \$180,000 consulting services | 0.50 |
| Reach 15% Scope 1 and 2 GHG reduction goal by 2020 (maritime) | <ul style="list-style-type: none"> Lighting improvements at Fisherman’s Terminal, Bell Harbor Marina, and Bell Street Parking Garage Energy efficiency projects identified by 2017 audits | \$174,000 for tracking GHG and for Energy Audits at T91 and P66 | 0.65 |
| Reach 15% Scope 1 and 2 GHG reduction goal by 2020 Reduce Scope 3 emissions (aviation and maritime): 50% below 2007 levels by 2030 and 80% below 2007 levels by 2050 | <p>Implement Ground Transportation Measures</p> <ul style="list-style-type: none"> Improve Commute Trip Reduction program Explore long-term major strategies and short-term operational measures to promote shift in ground transportation for passenger travel Encourage the use of low- or zero-emission rental cars | \$30,000 consulting services | 0.1 |
| Reduce Scope 3 emissions (aviation): 50% below 2007 levels by 2030 and 80% below 2007 levels by 2050 | <ul style="list-style-type: none"> Develop governance structure for corporate aviation biofuel fund | \$175,000 for consulting services | 0.0 |
| Reduce Scope 3 emissions (maritime): 50% below 2007 levels by 2030 and 80% below 2007 levels by 2050 | <ul style="list-style-type: none"> Conduct Scope 3 GHG inventory and long-term planning Collect and analyze Maritime data associated with determining fence-line boundaries and baseline calculations Electricity metering improvements at Port maritime facilities | \$35,000 consulting services \$42,000 for purchase of Maritime Smart Meters | 0.5 |
| Reach 15% Scope 1 GHG reduction goal by 2020 | <ul style="list-style-type: none"> Calculate carbon sequestration benefits from habitat Track emissions reductions from energy conservation and ramifications of other Port actions, including carbon sequestration from habitat | \$55,000 consulting services | 0.0 |
| TOTAL | | \$921,000 | 3.80 |