



Environmental Management System Top Management Review

Singapore Area Coordinator
Fiscal Year 2017



Status of the Environmental Management System (EMS)



What is the status of the SAC EMS from the last management review? Any Changes?

- New process, including SAC and tenant command leadership
- Internal Audit improvements
- New personnel
- Changes in leadership and overall command structure





EMS Objectives



What is the extent to which objectives have been met?

- **Energy – Reduce energy intensity 2.5% annually.**
- **Solid Waste – Divert at least 50% of solid waste annually.**
- **Water – Reduce potable water intensity by 2% annually.**

Executive Order 13693



Energy

Current Progress: 4.09%

Goal: EO 13693, Baseline Year: FY2015

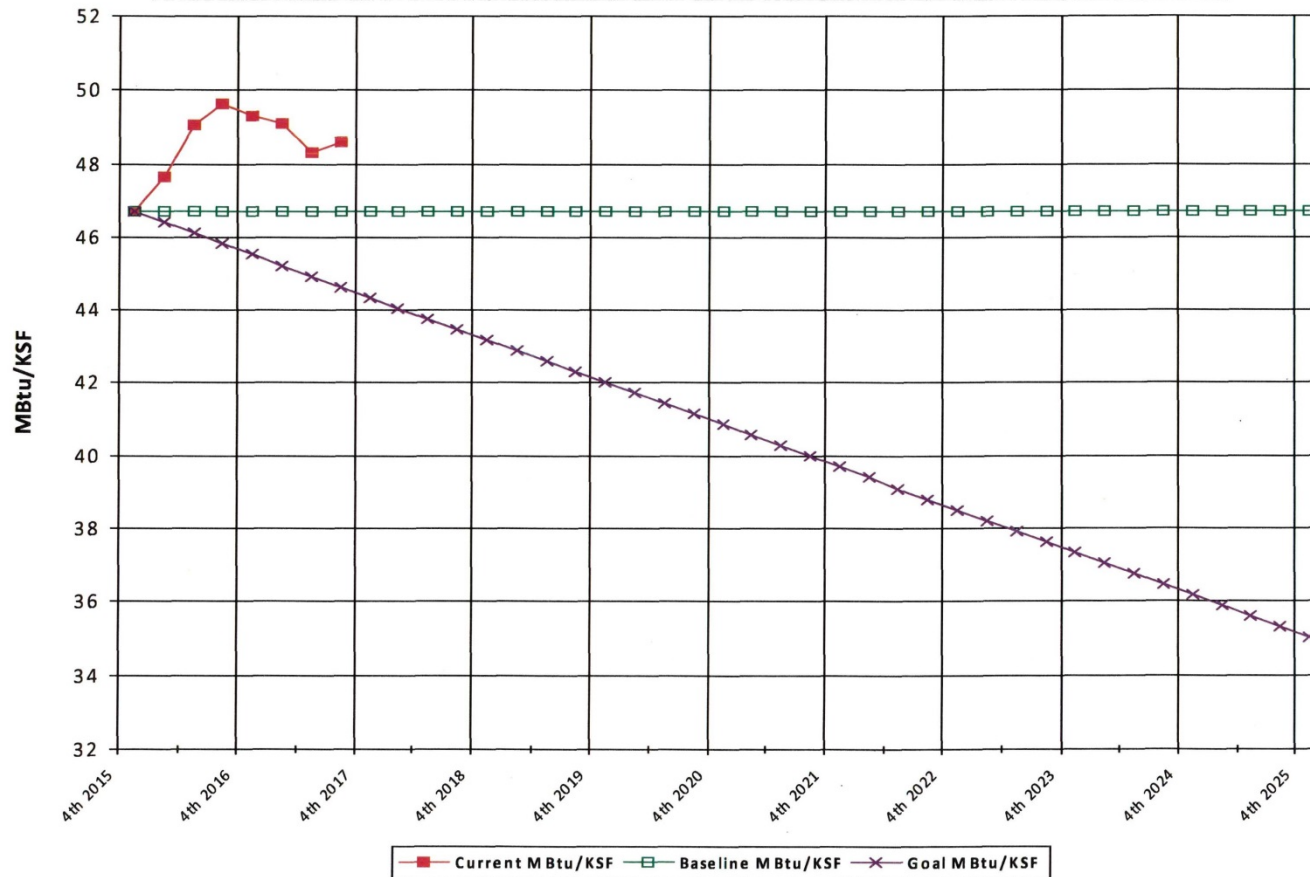
Current Quarter Reduction Goal: -4.4%

Energy Reduction Progress

Current MBtu/KSF = 48.60

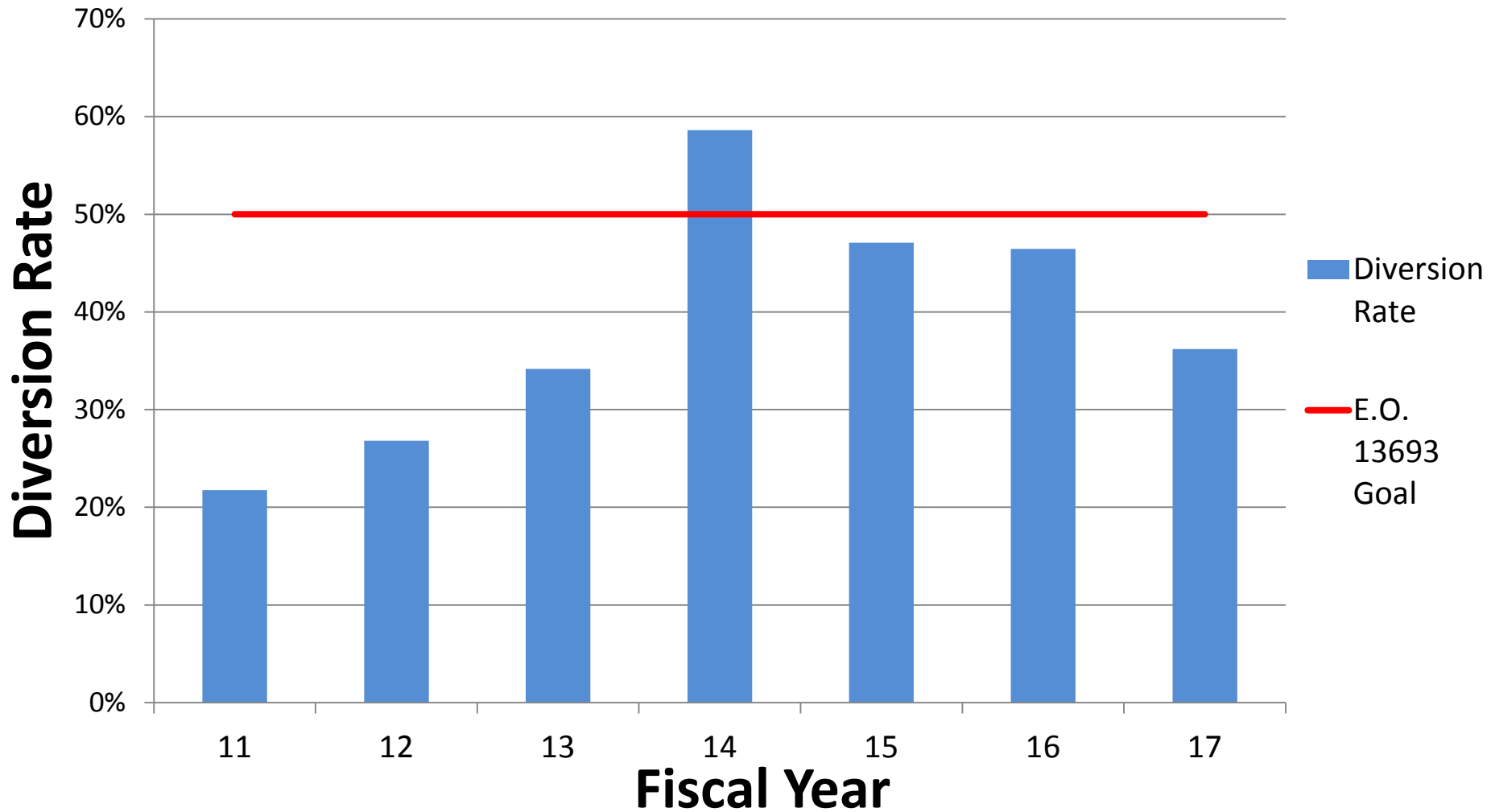
Baseline MBtu/KSF = 46.69

4th Quarter 2025 Reduction Goal: -25%





Solid Waste





Water

Current Progress: 63.01%

Goal: EO 13693, Baseline Year: FY2007

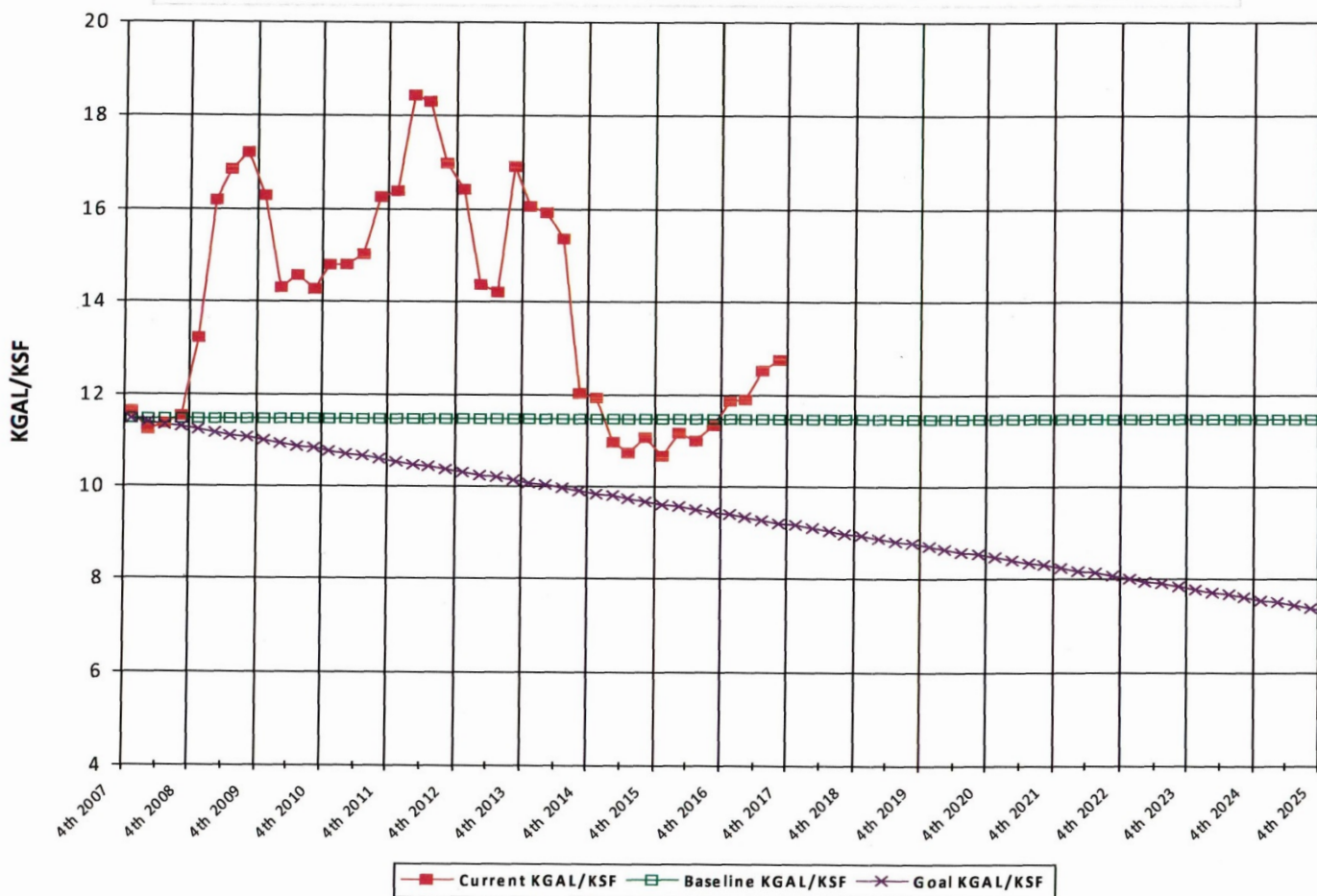
Current Quarter Reduction Goal: -19.5%

Water Reduction Progress

Current KGAL/KSF = 12.75

Baseline KGAL/KSF = 11.44

4th Quarter 2025 Reduction Goal: -36%





Environmental Performance



What are SAC's trends in performance on: Internal compliance and EMS audit results, including compliance deficiencies, EMS nonconformities, and corrective actions?

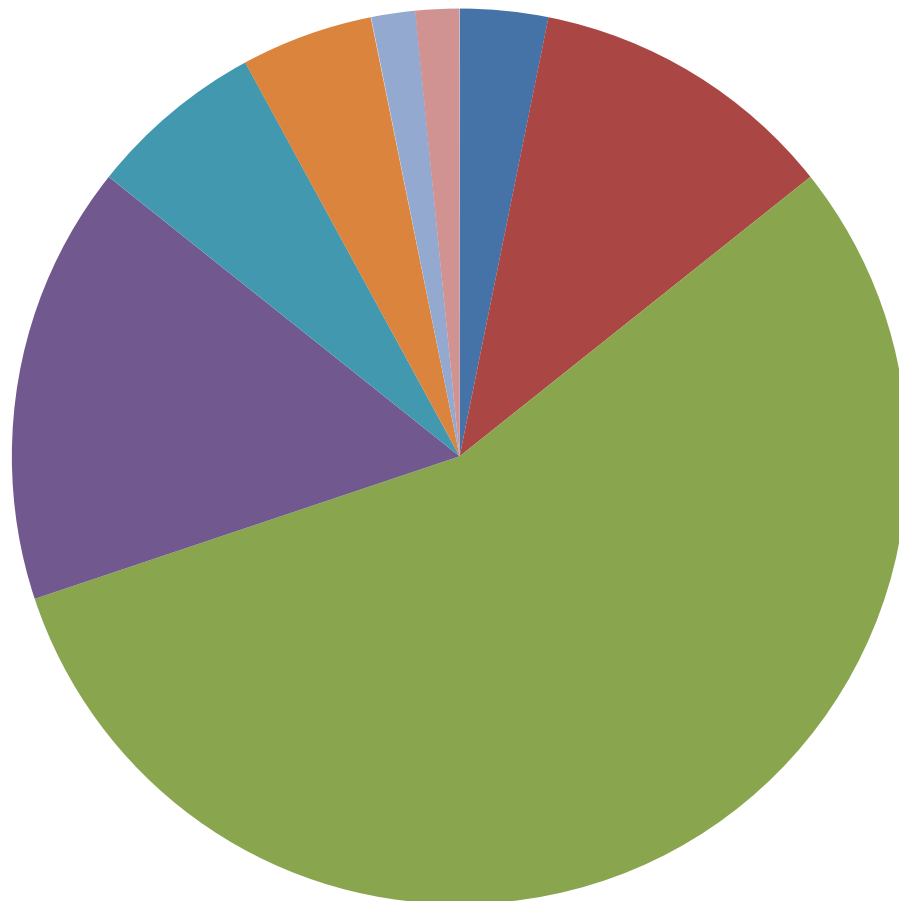




Environmental Performance



Internal Audit Findings



- Drinking Water/Conservation
- Environmental Management (EQA/EMS)
- Hazardous Material
- Hazardous Waste
- Pest Control Management
- Pollution Prevention
- Solid Waste
- Spill Response & Management



Significant Aspects



Rank	Environmental Aspect	Sum of Risk Score
1	Energy Use- Electric	61033
2	Hazardous Material	51346
3	Hazardous waste	48362
4	Solid waste	46320
5	Pest Control	36216
6	Water Usage	33037
7	Potential Spills	26675
8	Plastic	24088
9	Cardboard	20776
10	Paper	17972



Communication



Communication from external interested parties?

- February 2018 – Next Environmental Quality Assessment (EQA).
- Conducted every three years .
- Audit of the EMS and Compliance programs.
- Last conducted in February 2015, *Hazardous Material* was identified as an issue.





Continual Improvement



Opportunities for continual improvement?

- Energy Projects
- Recycling Contests
- Environmental Awareness Training
- Work Center Award Program
- Others?





Resources



Adequacy of resources required for maintaining an effective environmental compliance program and EMS.

- **Current Environmental Department manpower is TWO.**
- **Utilities Department is ONE.**
- **Additional manpower for EV Dept expected in FY18**
- **Need each employee and command to cultivate a culture of environmental awareness...CARE.**



Conclusion



- 1. Conclusions on the continuing suitability, adequacy, and effectiveness of the EMS?**
- 2. Decisions related to continual improvement opportunities?**
- 3. Any need for changes to the EMS, including resource needs?**
- 4. Action items if needed, when objectives have not been met?**
- 5. Any mission-related implications for the strategic direction of the Navy-EMS appropriate facility?**