

## Energy Team Meeting Minutes May 25, 2009

**Attendees:** Arty Shaw, Dean Martin, Duke Ellington, Ella Fitzgerald, George Burns, Lena Horne, Mel Torme, Miles Davis and Tony Bennett

**Time:**

- **Start** – 10:35 am
- **End** – 12:00 pm

**Minutes:** No minutes from last meeting

**Electrical Bill Review:**

- Miles Davis handed out the May 2009 electric bill (\$189,259) and discussed the three levels of demand charge. Need to investigate how to limit load and the time frames for these peak times.
- Miles Davis also shared the gas costs from May 2009 (\$215,000).
- We discussed how there is a bigger bang for the buck with energy intensity calculation to go after electrical savings.
- Reviewed Energy Intensity numbers – There is not much variability in daily usages when you eliminate the down days.

**Energy Savings Ideas:**

- Energy and Water Reduction in optics room – George Burns and Carry Grant to organize a team for review.

**Capital Projects:**

- Insulation Upgrade – 95% complete.
- Heat Trace Center Pivots – Heat Trace Installed, Insulation needs to be completed.
- Lighting Upgrade – In progress.
- Metering Project – Most meters are installed, Dean Martin to finish configuration Monday, several meters need installed in August.
- Hot water to Digester – Submitted plan.

**Review Progress on Past Action Items:**

- Energy Awareness – Miles Davis needs to visit with Orson Wells and Grace Kelley about this. Miles Davis is planning on attending training sessions to encourage energy awareness.
- Technical Assessments – Ella Fitzgerald provided a brief overview of the fact we have had a number of energy audits with action items. She will provide a list of outstanding action items for review next meeting.
- Leak Tag Program – Miles Davis will send out an e-mail about the energy page. Jimmy Stewart needs to finish setting up the e-mail to go to the Work Request address. Judy Garland is heading up the leak tag program at Plant 2; we should contact her for ideas. Lena Horne to follow up on the Food Safety issues with Tags.

**Action Items from Previous Meeting**

- Mel Torme – Investigate the possible ways to limit load during this high peak hours.
- Miles Davis – Provide the peak demand time frames.
- Ella Fitzgerald – Coordinate with Tony Bennett and Etta James concerning how we should track the energy intensity. Facility maintenance recommends we remove the scheduled down days from the energy intensity calculations.
- Everyone challenged to play around with the Energy Page Information for at least one hour in the next month.
- Carry Grant – Review Energy and Water Reduction in Optics Room.
- Ella Fitzgerald – Schedule Energy Project Brainstorming Session.

- Miles Davis – Update Group on EnVINTA Action Items.
- Miles Davis – Technical Assessments outstanding action items.
- Lena Horne – Review Food Safety Concerns with Leak tags with Perry Como.
- Miles Davis – Send out e-mail concerning energy page and leak tags.
- Duke Ellington – Head up the Dryer Optimization Efforts – Provide and Action Plan and updates to the team.
- Mel Torme – review the boiler operation report.
- EnVINTA Action Items – Miles Davis will report on this next meeting.

**New Action Items:**

- Metering Update – Jimmy Stewart will configure meters on Monday.
- Dryer Optimization – Duke Ellington was asked to discuss the benefits of improving dryer operations. This is one of the action items on the Natural Gas Audit. The dryer should operate at above 50% humidity; this will reduce case hardening and possibly improve batter adhesion. There are RH (Relative Humidity) meters which need to be fine tuned and possibly the controls automated.
- Steam/Boiler – Discussed the need to have control limits on the boiler.
- System Champions – Air (Frankie Avalon), Steam (Jimmy Stewart), Refrigeration (Jack Black).
- Digester Efficiency – Tony Bennett not present; will discuss next meeting.
- Frequency of Team meetings – Miles Davis presented that he intends on holding meetings every three to four weeks, they will mainly be scheduled around Lena Horne and Arty Shaw schedules.