



Energy Optimization Plan Contract for Part 2

Board of Public Utilities
March 19, 2015

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ISSUE

Shall the Board of Public Utilities, by motion, approve the Professional Services Agreement with Kennedy/Jenks Consultants, Inc. (K/J) for an amount not to exceed \$121,960 to conduct Part 2 of the Subregional Energy Optimization Plan?

Background 2013

Energy Optimization Plan (EOP)
funded in budget process.

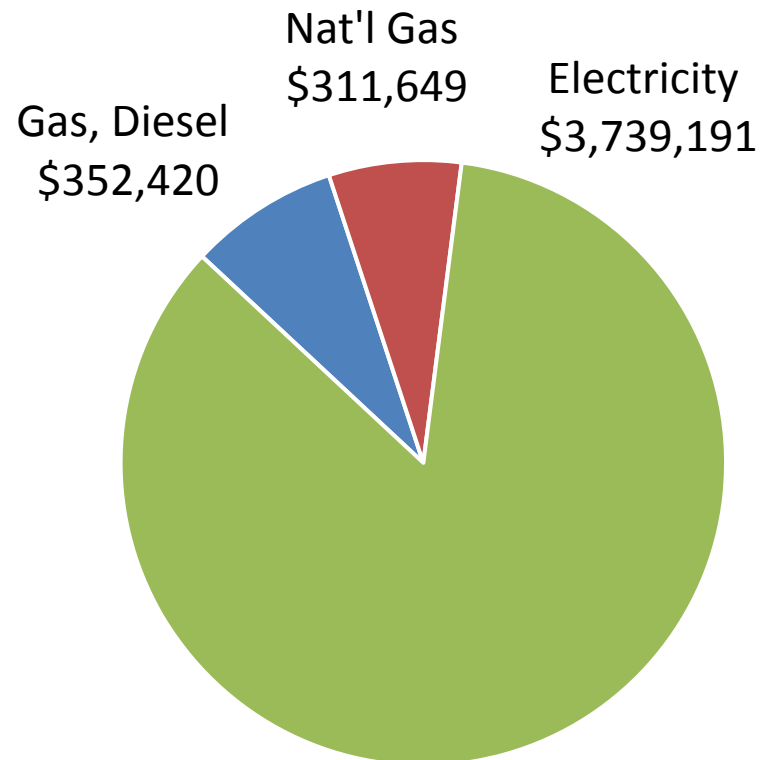
Contract awarded to Kennedy/Jenks
Consultants to scope out work and
fees to complete EOP (\$28,700).

Cost for Department-wide EOP
estimated at ~\$500K.

Staff reduced focus to Subregional
(80-90% of department energy use).

Project split into stages to allow staff
and BPU to assess progress.

DEPT. ENERGY PURCHASES FY 12/13 - \$4.4 Million



Background 2014

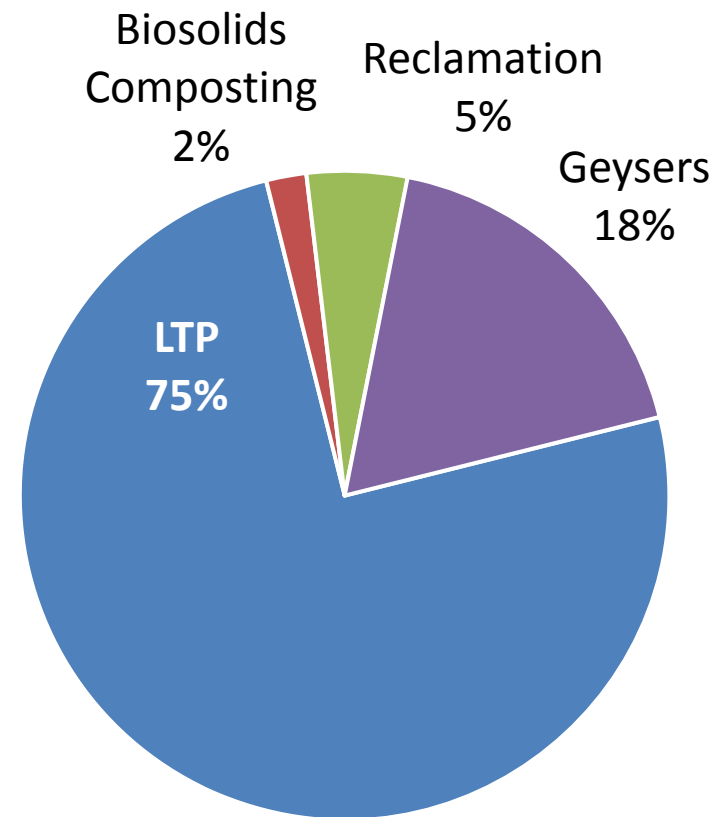
Amendment No. 1 awarded (\$159,700) to conduct audits and workshop with Subregional staff.

Amendment No. 2 (\$19,500) awarded to assess large recycled water pump stations.

Subregional audits, assessments, and workshop completed.

Technical Memorandums submitted with findings and recommendations.

SUBREGIONAL ELECTRICITY



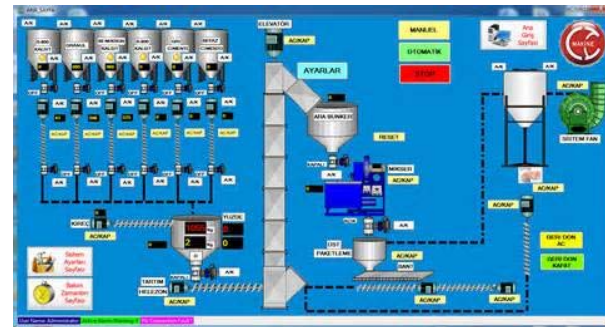
Background 2015

- Tech Memo recommendations are under consideration by Subregional staff.
- Staff asked K/J for scope and fees for next steps.
 - Part 2 (\$121,960) – Investigate top five projects identified and prioritized by staff in workshop
 - Part 3 (\$127,306) – Create Action Plan and Report
- Staff recommends pursuing Part 2 now. Part 3 would be considered after Part 2 completed.

Contract for Part 2 Subregional EOP

Not to exceed \$121,960 to investigate five projects to assess for energy optimization and cost effectiveness

- Waste Heat Recovery
- Energy Management Software
- Irrigation System Optimization
- Solar PV Investigation
- Mechanical Digester Mixing



Current Status

March 10, 2015: Contract Review Subcommittee unanimously recommended moving forward.

Subregional EOP Cost Summary:

Part 1 = \$207,253 (complete)

Part 2 = \$121,960 (new contract)

Part 3 = \$127,306 (consider after Part 2)

Total = \$456,519

Recommendation

It is recommended by the Contract Review Subcommittee and the Utilities Department staff that the Board of Public Utilities, by motion, approve the Professional Services Agreement with Kennedy/Jenks Consultants, Inc. for an amount not to exceed \$121,960 to conduct Part 2 of the Subregional Energy Optimization Plan.

Questions