

**CSUC / XBRL-CET / SGIP PAP25 - University Interoperability Research Facility
Buildings University Innovators And Leaders Development (BUILD) - 2015
DE – FOA – 0001167
Due December 19, 2014
LinkedIn Post December 20, 2014**

Santa Claus is coming to town (maybe)

Santa is the Department of Energy, and they may bring the gift of funding to help all stakeholders engaged in construction, energy and transportation implement data interoperability so that sending a financial statement, company profile, or standardized contract and bond form was as easy as sending an address file from Microsoft Outlook. The impact on efficiency would be significant.

The deadline for DOE Funding Opportunity Announcement 0001167 was yesterday, and CSU Chico submitted its proposal to act as an **Interoperability R&D Facility** with the support of some of the nation's leading companies and industry experts, the cat herd, so that Santa would come to town.

The DOE FOA offers five grants totaling \$1,000,000 to support university research and activities that can influence "smarter" energy management, from project conception, financial analysis and data analytics, through renovation or construction and on to long term asset maintenance.

The AGC Surety Connection Project at CSU Chico has been a university collaborative research project to improve access to surety credit for small business by fostering open standards that enable interoperability, which in turn will significantly reduce the administrative and financial burden of multiple manual processing of data and information. This cost savings and ease of will encourage more small business to participate plus enable efficient and profitable delivery of resources and services to small business.

The premise of the DOE FOA response is that data Interoperability is a focus of many individual efforts that if coordinated would yield success, from **Big Energy to Small Business**, but if left uncoordinated would continue as an overwhelming challenge that fails to meet its potential.

The timing is right for Santa to come to town.

- XBRL US, the entity that manages the US GAAP taxonomy for the Securities and Exchange Commission, has just formed the XBRL-CET (Construction, Energy and Transportation) working group to expand and transition the taxonomy from just financial reporting to financial transactions.
<http://xbrl.us/news/pages/20141016.aspx>
- The DATA Act legislation requires that by 2017 all federally funded projects must provide open standards based financial reporting on expenditures for compliance. XBRL can help all stakeholders comply, particularly with XBRL-CET.
<http://www.xbrl-cet.com/data-act.html>
- The Smart Grid Interoperability Panel (SGIP) just approved Priority Action Plan 25 to Harmonize Financial Data for building the nations Smart Grid.
<http://www.sgip.org/PAP-25>

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- NASBP and SFAA have just formed a working group to develop interoperability for data exchange with ACORDxml.
<http://www.nasbp.org/Pipeline/morearticles1/new-item5>
- AGC of America has recently announced that the Construction Open Standards Alliance (COSA) will be assuming stewardship of agcXML
<http://www.prweb.com/releases/2014/10/prweb12274428.htm>
- SolarNexus received DOE funding in March for IEP XML, a data standard for solar energy.
<http://solarnexus.com/index.php/company/news-n/125>
- The DOE funded Building Energy Data Exchange Specification (BEDES) project just completed a phase of its effort to develop energy data standards for buildings and issued specific recommendations, including the “knitting together” of various standards.
<http://energy.gov/eere/buildings/building-energy-data-exchange-specification-bedes>

While the DOE FOA indicates it anticipates five separate grants of \$200,000, we submitted one proposal with five components, with each component intended to fund the efforts listed above.

If there is interest by the DOE to explore the opportunity then we will have 30 days to prepare a full submission for why Santa should come to town and provide funding coordinated through universities, supported by industry, so that there is synergy between standards, not competition.

By DOE providing coordinated funding to the various efforts they will be providing an opportunity for the groups to make real progress individually and collectively to help establish a national resource.

There is a fork in the road, and we must take it.

Let’s hope the DOE is intrigued by the concept paper and Santa comes to town.

If Santa does come, it will be the cat herd around the world.

DOE Funding Opportunity Announcement 0001167

<https://eere-exchange.energy.gov/default.aspx#Foaldb1ef4b8e-7e75-43fc-a2ac-af86bb5d3a75>

XBRL-CET website with DOE FOA Response

<http://www.xbrl-cet.com/doe---2015-university-grant.html>

AGC Surety Connection Project at CSU Chico

<http://chicoprocess.csuchico.edu/>