



Birch Infrastructure, PBLLC
14559 Westlake Drive, Suite C
Lake Oswego, Oregon 97035

To: Participating School District
From: Birch Infrastructure

RE: Call for Concepts Proposals – PG&E On Bill Pilot for K-12 Schools
Bid as Prime Contractor for Concept Proposal.

Please accept this conceptual submission and digital bid bond as our response to the call for concepts for financing, constructing and operating energy facilities for participating school district as part of the PG&E On Bill pilot.

We will act as prime contractor to participating school district with scope and price as mutually agreed as part of the PG&E On Bill Finance pilot.

Until the proposal is reviewed, a final budget and scope mutually agreed to and funds in place there is no obligation to proceed further and this proposal is null and void.

Our proposal:

- Is not confidential and is offered as part of the DOE Orange Button effort to explore ways to modernize the construction process by accelerating the transition to digital to enable innovations that reduce project cost and increase financial viability.
- Contemplates the entire construction process will be administered digitally, leveraging the DOE Orange Button and XBRL taxonomy for data interoperability, with smart contracts, digital surety bonds and insurance and electronic communications with the school district along with all subcontractors and supply chain.
- Aligns with the NIST Framework and Roadmap for Smart Grid Interoperability Standards, Release 4.0.
- Contemplates being a source of research and data in support of:
 - The California Public Utilities Design Clean Energy Financing Options investigation (CEFO)
Order Instituting Rulemaking: R.20-08-022
 - Expansion of the XBRL Taxonomy
 - PG&E On Bill Finance and On Bill Repayment programs
 - PG&E research about the feasibility of cross-cutting uses of funding and potentially the ability to leverage private capital.
 - An educational program at participating school.
 - An industry education program highlighting project.
 - A training and outreach program for people looking to improve their skills or start new careers in construction and clean energy.

Signed by

Jim Howell
Chief Executive Officer
Birch Infrastructure