

**sdmay18-41: Energy blockchain implementation for free market P2P energy trading**

Week 2 Report

September 8 - September 15

**Team Members**Joseph Staudacher — *Power sensing & hardware fabrication*Alec Dorenkamp — *Block chain/smart contract development*Noah Eigenfeld — *Block chain/smart contract development*Brendon Geils — *Blockchain/API development*Jackson Myers — *Hardware design*Arun Sondhi — *Hardware/software interface***Summary of Progress this Report**

- Organized and consolidated all currently relevant information sources
- Narrowed down individual responsibilities
- Developed action plan for determining prices of required materials and purchases that need to be made
- Discussed the Week 4 Reflection and traded advice on how best to complete it
- Accessed and started editing the team website

**Pending Issues**

- Set up a meeting time with a colleague of our industry contact to receive advice on our project
- Complete additional research into relevant topics recommended by advisor
- Determining what we will need in the way of materials and what type of arduino we will need to use

**Plans for Upcoming Reporting Period**

- Continue to work on the team website as we progress through our project
- Continue to divide up tasks regarding class deliverables and stay on top of class requirements
- Nail down a concrete meeting time with our advisor

**Individual Contributions**

Team Member	Contribution	Weekly Hours	Total Hours
Joseph Staudacher	Preliminary research on two-way metering options, read up on relevant software elements	4	8
Alec Dorenkamp	Gave lightning talk, researched options for open-source development	4	8
Noah Eigenfeld	Researched blockchain and options for open-source development	4	8
Brendon Geils	Gave lightning talk, communicated with industry resources	4	8

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Jackson Myers	Researched power metering and network information relaying	4	8
Arun Sondhi	Worked with both the hardware and software design teams of the project and worked on plans for integrating the two	4	8