

# *Distributed Renewable Energy Credit Transactions*

SunHaus Solar LLC

A web and phone app based system for the resale of residential and commercial solar net metering credits.

# *Long-term Goal*

- Wide spread adoption of the DIRECT system by residential and commercial customers nationwide for the purpose of automating the process of invoicing for electric bill monetary credits.
- OEM contracts with utilities
- System evolution and growth as the market increases.

# *Customer Wishes*

- Customers who are grid tied and currently build up yearly credits on their electric bill have no automated process for billing other accounts that received a percentage of their credits.
- Customers must be a residential or a commercial owner of a solar or wind system where the generated power is distributed through a utility.

# *Fulfilling Customer Needs*

- The software application will be cloud based with a mobil app interface. Customers will gain access to the system via a subscription service where the price will vary based on entity size.
- The system will use the customers electric bill to determine how much to bill the recipient of the credit and send that invoice via email directly to the recipient. The system will also provide data in a dashboard form factor that the customer can report against.

# *Cost Analysis*

- TBD

# *Strengths and Advantages*

- As more communities develop solar arrays larger than 10kw to service a static group of owners, they will need a service like DIRECT to facilitate the apportionment of credits accurately and in a financially audit-able way.
- The DIRECT system creates incentives to buying more production capacity thus being likely promoted by the solar industry.

## *Next Steps of Action*

- Storyboard the layout
- Investigate the process required to automatically machine read a WMECO E-Bill.
- Investigate the possibility of connecting to the Mass CEC Production Tracking System.
- Develop test facility using a WMECO e-bill with two credit recipients.