Sun for Food
Solar Panel Install

Proposal to IFM Board of Directors

Background Information

- IFM electricity usage
  - 34,900 Kwh at a cost of $7K per year
  - Projected to increase 4-5% per year
- Year End Cash Position
  - 2015 exiting cash position is projected at @$260K
  - IFM's cash guideline is to maintain no less than 3 months and no more than 6 months of cash
  - Excess cash can be used for paying down the USDA loan or special project

Solar Installation Costs

- 3 bids for the work have been completed
  - DC Solar - $65-70K (Baseline for board proposal)
  - Beam - $104K
  - Plan-It Solar - $66K
- In addition to the solar equipment the following other costs will be incurred with the project
  - Roof membrane sealing/repair - $8-10K
  - Possible structural requirements – pre-estimate - $10K
  - Tree trimming and removal - $2K
  - Structural review - $1K

Total Project Summary (Baseline)

Solar equipment contract	$65-70K
Roof membrane sealing/repair	$8-10K
Structural requirements	$10K
Tree trimming and removal	$1.5-2K
Structural review	$1K
Contingency (7%)	$7K
Grand Total for Project (high side)	$100K

Financial Analysis

- NPV Comparisons (25 year life)
  - $124K without grants
  - $156K with projected USDA 35% grant
  - $27K to pay down the USDA loan
  - Breakeven is 10-11 years without grants
- IFM plans to stay in this building for a long time and we own it – otherwise we would not be pursuing this project
- All benefit from the project will be used to reduce other IFM expenses (primarily food)

Non Financial Benefits

- Reduction of green house gas emissions by **476 tons** of CO2 over 25 years

Equivalent CO2 Reductions

Small Car – 1,612,542 miles

Air Miles – 980,825 miles

Trees Planted – 19,028

- Future avoidance of future roof maintenance costs
- Roof membrane installation would keep our building cooler in the summer
- IFM is seeking to not only reduce (Sun for Food) costs but also supporting our environment

Community Concerns

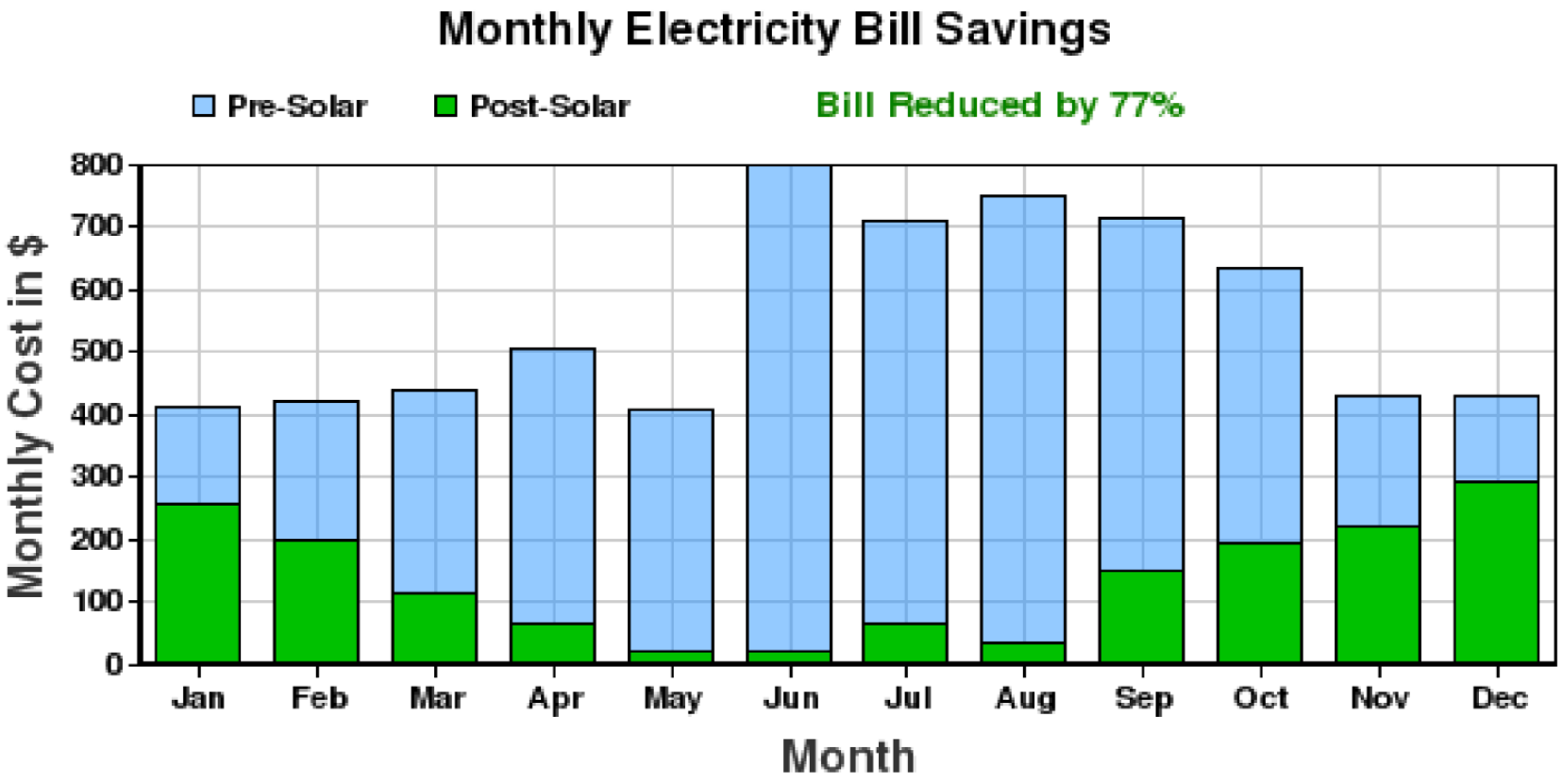
- Aesthetic impact to some neighboring residents
  - Bob has been in contact with the neighbor who owns the property behind IFM
    - No issues with regard to view and he is OK with the project
- There may be some members in the community that feel that the project is a waste of money and that the money would be better spent on food (grants could help mitigate this)

Solar Equipment & Install Details

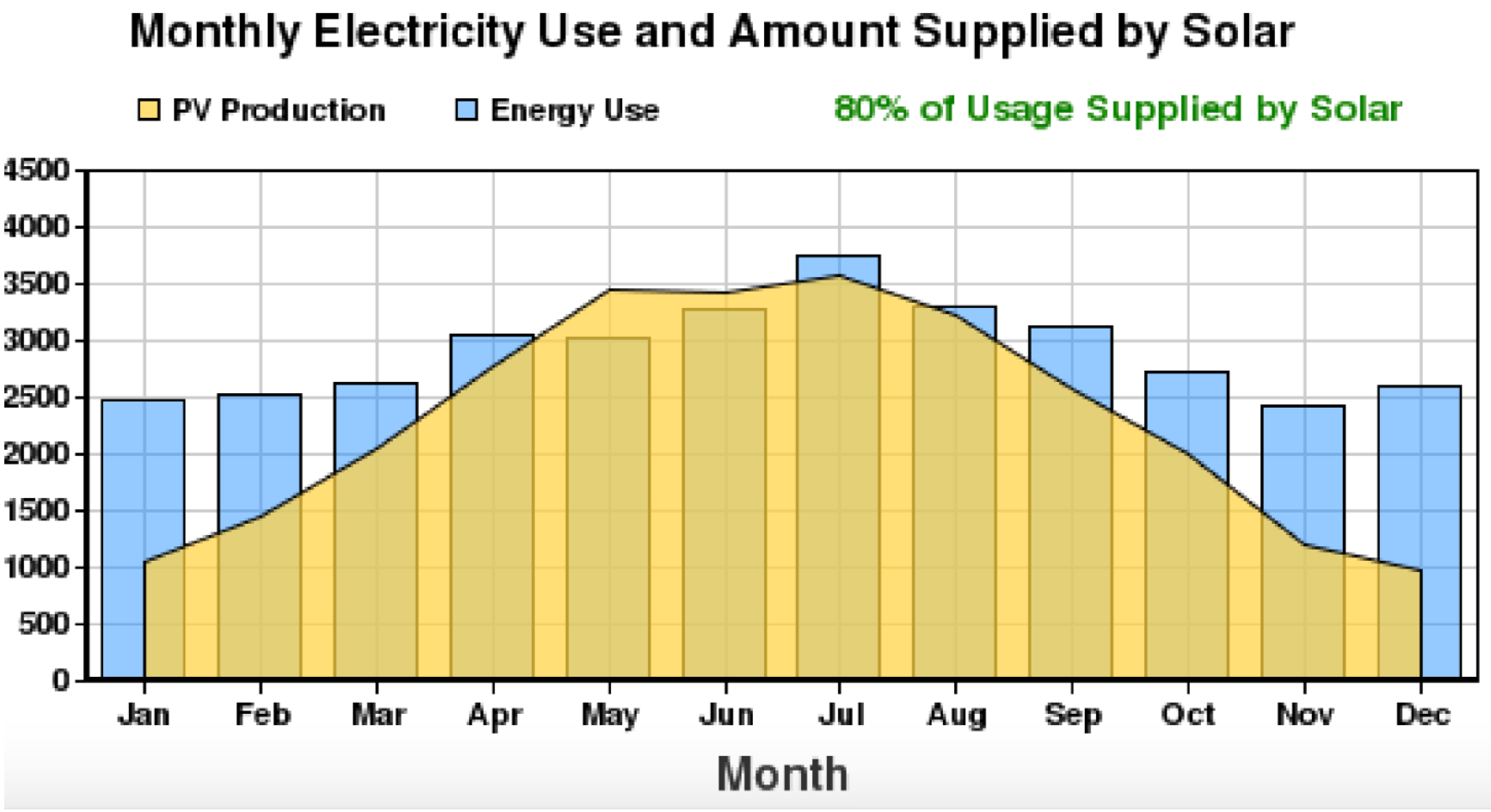
- Panels with 25 year warranty
- Inverters with 15-20 year warranty
- Solar contractor to handle
  - Basic Engineering (not structural)
  - Permitting
  - Construction
  - Maintenance

Note: # of panels and inverters (configuration) to be determined once a vendor has been selected

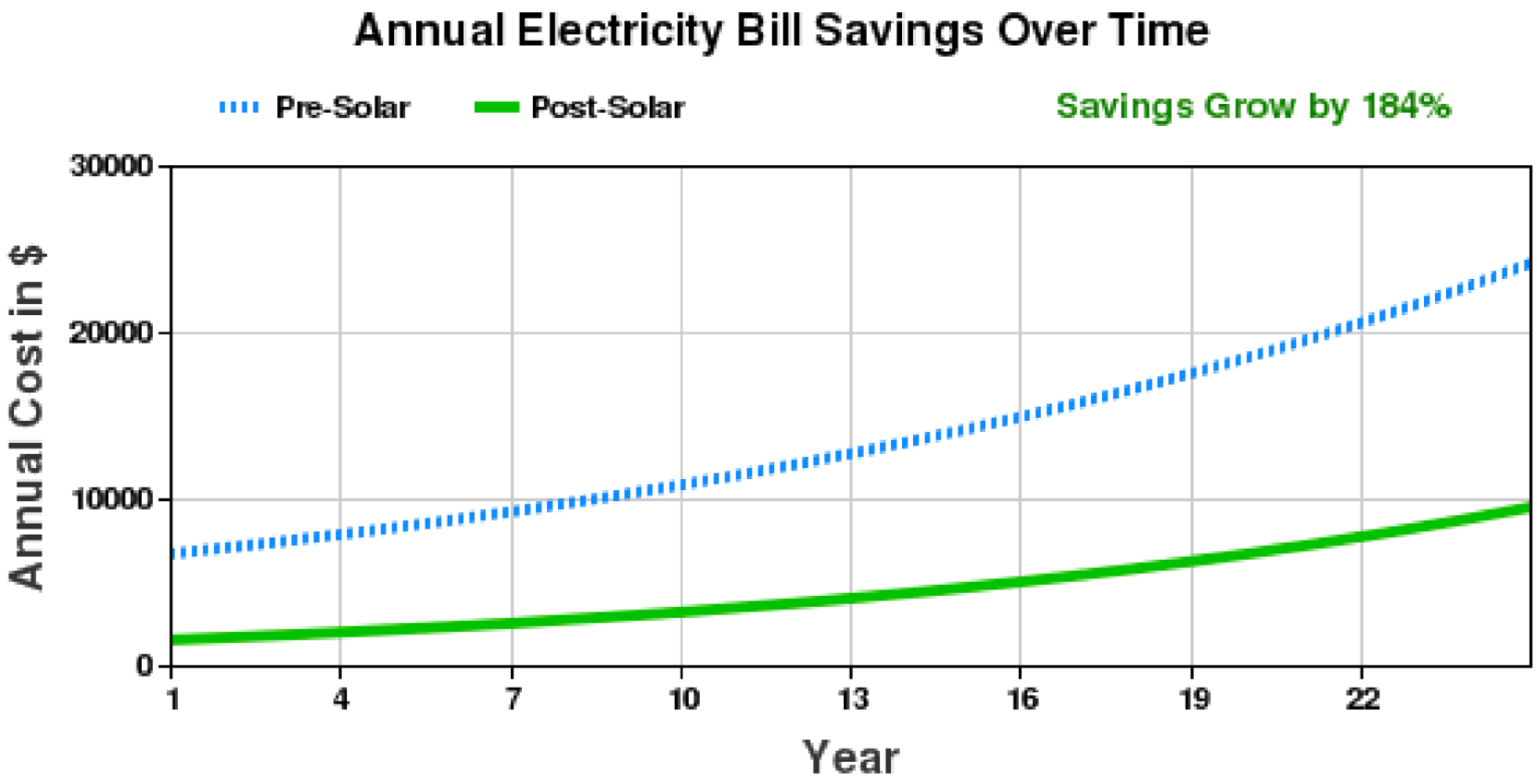
Pre and Post Energy Usage



Solar Production



Annualized Savings



Resolution Recommendation

- Pursue installation of solar EVEN if we are not successful in obtaining grants to offset some of the cost
  - IFM to spend up to $100K on solar (includes contingency of 7% or $7K)
  - Grant Committee is approved to pursue up to 3 grants to offset the cost to install solar (USDA, and two other (longer shot at obtaining)
  - IFM Sun for Food event could be used to generate solar funding

Key Points to Remember

- The Sun for Food Project will:
  - Reduce electrical/operational expenses
  - Allow IFM to purchase more and/or healthier foods for our clients
  - Is a great investment that will earn much, much more than any savings account could
  - Supports our environment

Questions?

Vote