

| Assumption: |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| New stoves need to be replaced after 3 years |  |  |  |  |  |  |  |  |
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| Model 1: |  |  |  |  |  |  |  |  |
| Introduce 500 stoves / year over 5 years in addition to "project stoves" | Unit | QTY | Yr 1 | Yr 2 | Y2 3 | Yr 4 | Yr 5 | Total |
| Project stoves | stoves |  | 500 | 500 | 500 | 500 | 500 |  |
| New stoves introduced yearly in addition | stoves |  | 500 | 500 | 500 | 500 | 500 | 2,500 |
| New stoves cummulative over 5 year period | stoves |  | 500 | 1,000 | 1,500 | 2,000 | 2,500 |  |
| New stoves in use total |  |  | 1,000 | 1,500 | 2,000 | 2,500 | 3,000 |  |
| Additional stoves to replace broken ones after 3 yrs | stoves |  |  |  |  | 1,000 | 1,000 | 2,000 |
| Total stoves to be build including replacements | stoves |  | 500 | 500 | 500 | 1,500 | 1,500 | 4,500 |
| Assume 75 Dalasi profit to pay for overheads / stove |  |  | 37,500 | 37,500 | 37,500 | 112,500 | 112,500 |  |
| Money available per month to pay for all overheads and business expenses |  |  | 3,125 | 3,125 | 3,125 | 9,375 | 9,375 |  |
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| Model 3: |  |  |  |  |  |  |  |  |
| Introduce 500 stoves 1st year, double introduction per year from year 2 in addition to "project stoves" | Unit | QTY | Yr 1 | Yr 2 | Y2 3 | Yr 4 | Yr 5 | Total |
| Project stoves | stoves |  | 500 | 500 | 500 | 500 | 500 |  |
| New stoves introduced yearly in addition | stoves |  | 500 | 1,000 | 2,000 | 4,000 | 8,000 | 15,500 |
| New stoves cummulative over 5 year period | stoves |  | 500 | 1,500 | 3,500 | 7,500 | 15,500 |  |
| New stoves in use total |  |  | 1,000 | 2,000 | 4,000 | 8,000 | 16,000 |  |
| Additional stoves to replace broken ones after 3 yrs | stoves |  |  |  |  | 1,000 | 1,500 | 2,500 |
| Total stoves to be build including replacements | stoves |  | 500 | 1,000 | 2,000 | 5,000 | 9,500 | 18,000 |
| Assume 75 Dalasi profit to pay for overheads / stove |  |  | 37,500 | 75,000 | 150,000 | 375,000 | 712,500 |  |
| Money available per month to pay for all overheads and business expenses |  |  | 3,125 | 6,250 | 12,500 | 31,250 | 59,375 |  |
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| Model 4: |  |  |  |  |  |  |  |  |
| Introduce 1000 stoves 1st year, double introduction per year from year 2 in addition to "project stoves" | Unit | QTY | Yr 1 | Yr 2 | Y2 3 | Yr 4 | Yr 5 | Total |
| Project stoves | stoves |  | 500 | 500 | 500 | 500 | 500 |  |
| New stoves introduced yearly in addition | stoves |  | 1,000 | 2,000 | 4,000 | 8,000 | 16,000 | 31,000 |
| New stoves cummulative over 5 year period | stoves |  | 1,000 | 3,000 | 7,000 | 15,000 | 31,000 |  |
| New stoves in use total |  |  | 1,500 | 3,500 | 7,500 | 15,500 | 31,500 |  |
| Additional stoves to replace broken ones after 3 yrs | stoves |  |  |  |  | 1,500 | 2,500 | 4,000 |
| Total stoves to be build including replacements | stoves |  | 1,000 | 2,000 | 4,000 | 9,500 | 18,500 | 35,000 |
| Assume 75 Dalasi profit to pay for overheads / stove |  |  | 75,000 | 150,000 | 300,000 | 712,500 | 1,387,500 |  |
| Money available per month to pay for all overheads and business expenses |  |  | 6,250 | 12,500 | 25,000 | 59,375 | 115,625 |  |


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| Assumption: |  |  |  |  |  |  |  |  |
| 75 \% of 100,000 households in the Greater Banjul / WD area $(75,000)$ will have a new stove at end of Year 5 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| Model 5: |  |  |  |  |  |  |  |  |
| Introduce 1000 stoves 1st year, increase introduction until $75 \%$ of target market has been reached including "project stoves" | Unit | QTY | Yr 1 | Yr 2 | Y2 3 | Yr 4 | Yr 5 | Total |
| Project stoves | stoves |  | 500 | 500 | 500 | 500 | 500 |  |
| New stoves introduced yearly in addition | stoves |  | 1,000 | 8,000 | 16,000 | 22,000 | 27,500 | 74,500 |
| New stoves cummulative over 5 year period | stoves |  | 1,000 | 9,000 | 25,000 | 47,000 | 74,500 |  |
| New stoves in use total |  |  | 1,500 | 9,500 | 25,500 | 47,500 | 75,000 |  |
| Additional stoves to replace broken ones after 3 yrs | stoves |  |  |  |  | 1,500 | 8,500 | 10,000 |
| Total stoves to be build including replacements | stoves |  | 1,000 | 8,000 | 16,000 | 23,500 | 36,000 | 84,500 |
| Assume 75 Dalasi profit to pay for overheads / stove Money available per month to pay for all overheads and business expenses |  |  | 75,000 | 600,000 | 1,200,000 | 1,762,500 | 2,700,000 |  |
|  |  |  | 6,250 | 50,000 | 100,000 | 146,875 | 225,000 |  |
|  |  |  |  |  |  |  |  |  |
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| Model 5 expanded to 10 years |  |  |  |  |  |  |  |  |
| As per Model 5 for first 5 years. Then double market over next 5 years to spread stove across country | Unit | Yr 5 | Yr 6 | Yr 7 | Yr 8 | Yr 9 | Yr 10 | Total |
| Project stoves | stoves | 500 | 500 | 500 | 500 | 500 | 500 |  |
| New stoves introduced yearly in addition | stoves | 27500 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 75,000 |
| New stoves cummulative over 10 year period | stoves | 74500 | 89,500 | 104,500 | 119,500 | 134,500 | 149,500 |  |
| New stoves in use total |  | 75000 | 90,000 | 105,000 | 120,000 | 135,000 | 150,000 |  |
| Additional stoves to replace broken ones after 3 yrs | stoves | 8500 | 16,500 | 22,500 | 28,000 | 32,000 | 38,000 |  |
| Total stoves to be build including replacements | stoves | 36,000 | 31,500 | 37,500 | 43,000 | 47,000 | 53,000 | 248,000 |
| Assume 75 Dalasi profit to pay for overheads / stove |  | 2,700,000 | 2,362,500 | 2,812,500 | 3,225,000 | 3,525,000 | 3,975,000 |  |
| Money available per month to pay for all overheads and business expenses |  | 225,000 | 196,875 | 234,375 | 268,750 | 293,750 | 331,250 |  |

