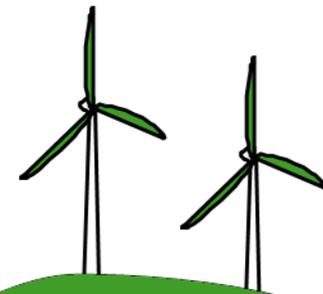




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California Energy Commission

Alternative & Renewable Fuel and Vehicle
Technology Program (AB 118) and ARRA Funding Workshop

Linda Maepa
April 27, 2009

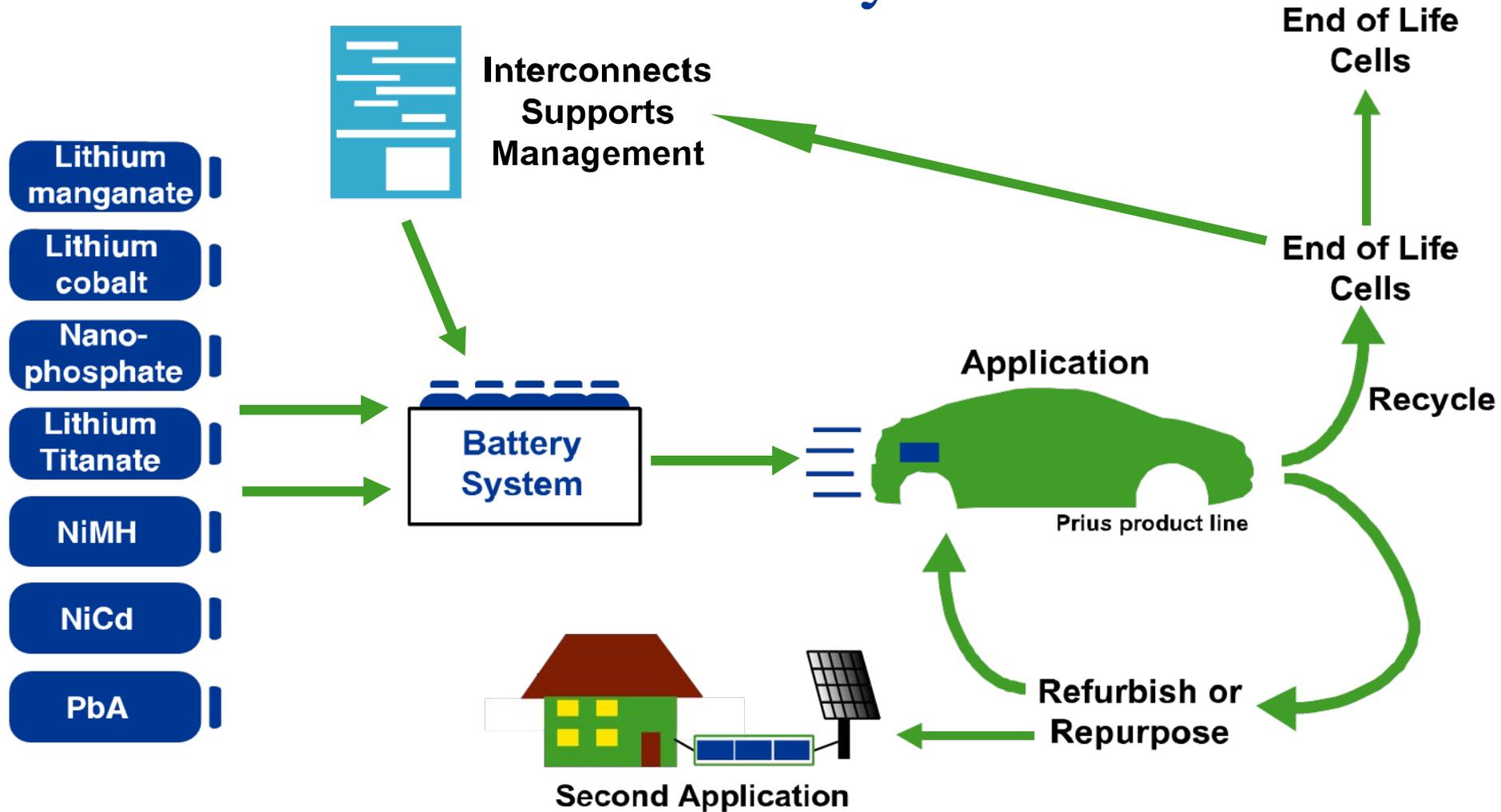


Executive Summary

- Sustainable Product and Product Lifecycle
- Low Impact Factories
- Community-based Manufacturing Model



Sustainable Product Lifecycle





Low Impact Factories

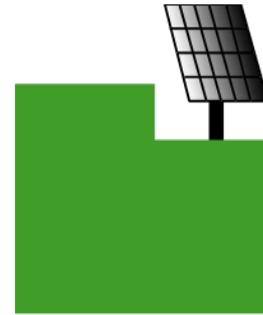
Clean: Focus on Inputs and Outputs

Direct Inputs

- RoHS/CE compliant
- Materials Recoverable and Separable
- Low toxicity of input, internal use, and output materials

Outputs

- Product
- Recycleable Materials
- Employee Skills



Ancillary Inputs

- Power - Low use
- Water - Zero use
- Landfill - Zero waste (total internal recycling)
- Air - Zero particulates/VOC/Emissions
- Land
- Capital Efficiency



Community-based Manufacturing

Location, Location, Location

- Yes! In My Backyard
- No Penalty for Multiple, Smaller Factories: Locate Where Employees Live

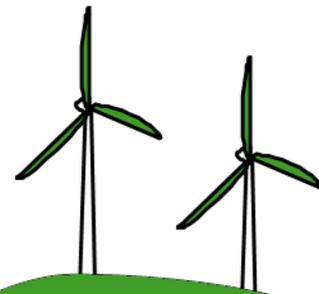


- Improve Employee (and Community) Quality of Life
- Workforce Development



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