

City of Sydney – NEEC18

Upgrading public buildings and infrastructure



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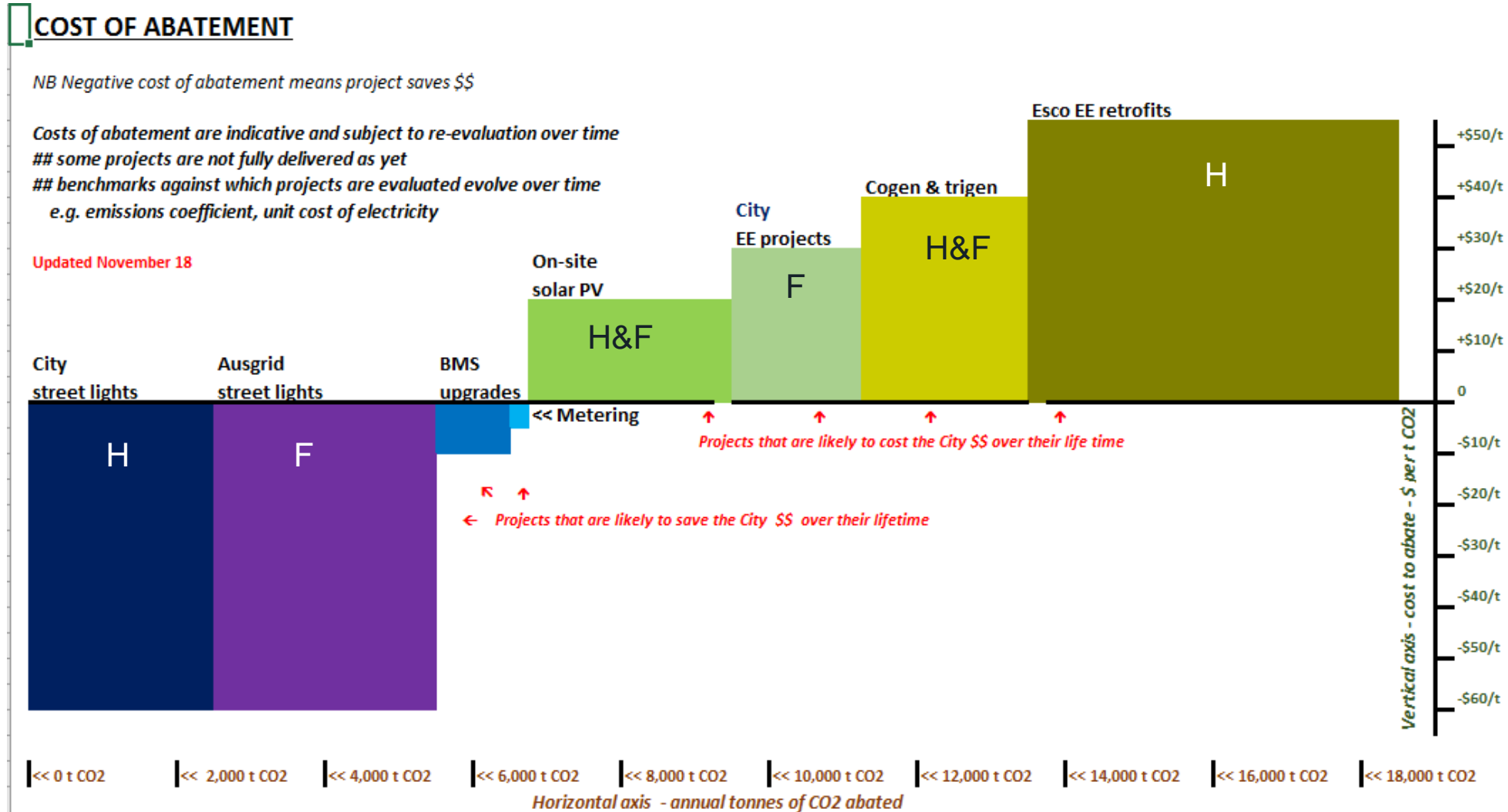
City of Sydney EE Experience

Objectives and Approach

- City of Sydney Focus - cost effective carbon abatement;
- Greenpower price used as overall cost benchmark;
- Portfolio approach - quantum of abatement is also important;
- Means – EE, renewable and low carbon energy systems;
- All projects reduce operating costs and abate carbon emissions;
- Some projects provide good commercial return on investment.

Sydney City Operations – Carbon abatement

Portfolio Basis - Historic (H) and Forecast (F) Results



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Project Delivery Methods & Issues:

- Energy Services Company (ESCO)
 - Issue - contract framework, transparency, accountability, cost
- Standard Energy Audit
 - Issue – gaps between recommendations & actionable SOW & results
- Target specific building services/use specialist (e.g. HVAC re-commissioning)
 - Issue – contract framework, schedule of rates, verification...
- Own resources for direct specification, procurement & delivery
 - Issue – lack of in-house expertise, need for some consulting advice?

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Unlocking LG Potential

Key Challenges

Human Resources

- General LG outsourcing model
- Shortage of in-house expertise
- Resulting lack of confidence

Progress/Results

- High costs esp. transaction costs
- Some doubtful or marginal investments

Potential Remedy?

State-wide Extension Service

- Advice on metering/monitoring
- Audits/development of SOW
- Drafting of delivery contracts
- Some assistance with project mgt.
- Sharing lessons learnt