



THIS CITY WORKS FOR YOU



CITY OF CAPE TOWN | ISIXEKO SASEKAPA | STAD KAAPSTAD



THE CAPE TOWN SOLAR WATER HEATER INITIATIVES

*USING WHAT COMES NATURALLY,
ALMOST DAILY AND FOR FREE!*

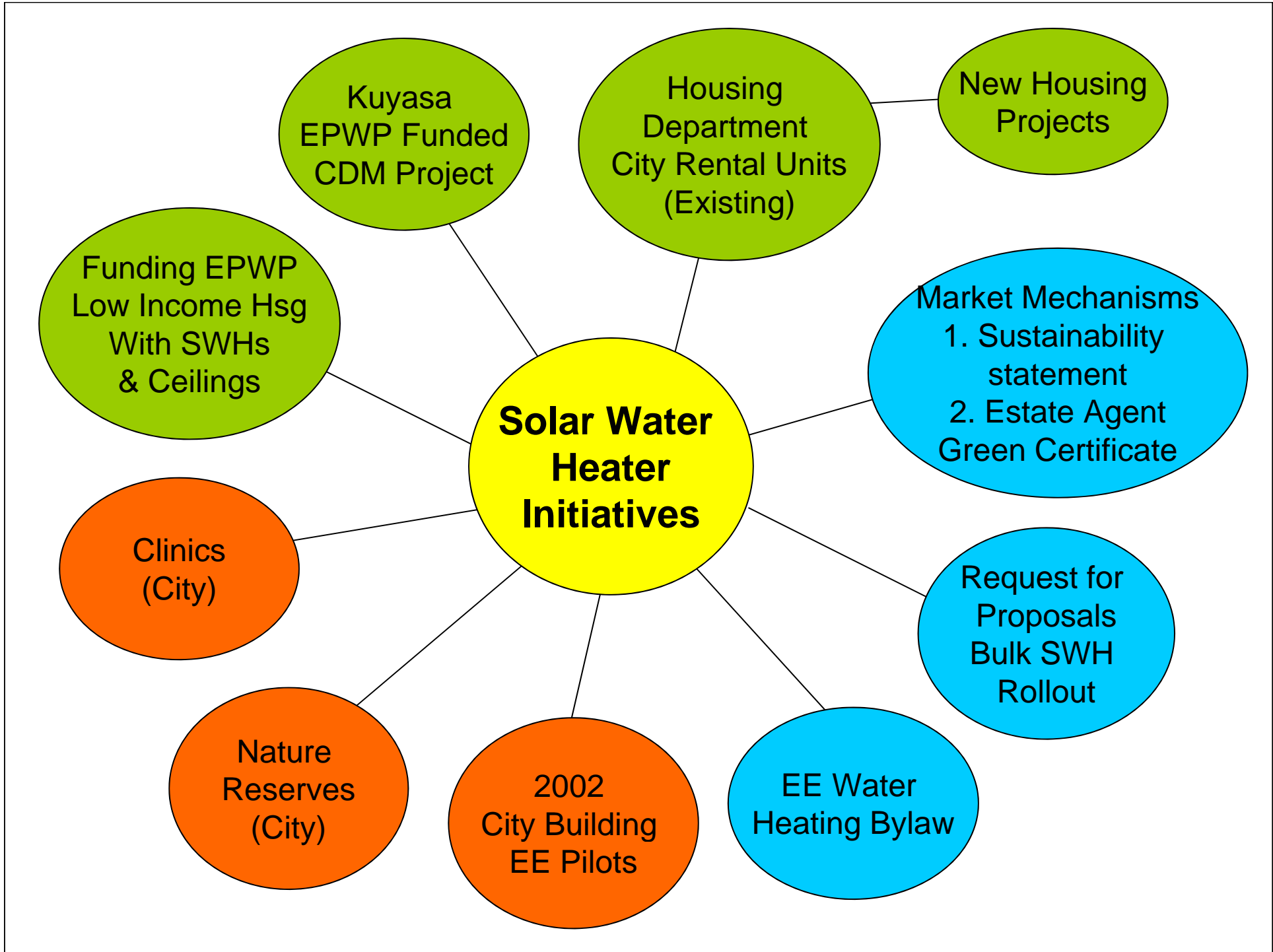
SOLTRAIN

Second Workshop

for Policy Decision Makers and Administrators

Friday, 13 August 2010

Wouter Roggen, Environmental Resource
Management Department, City of Cape Town





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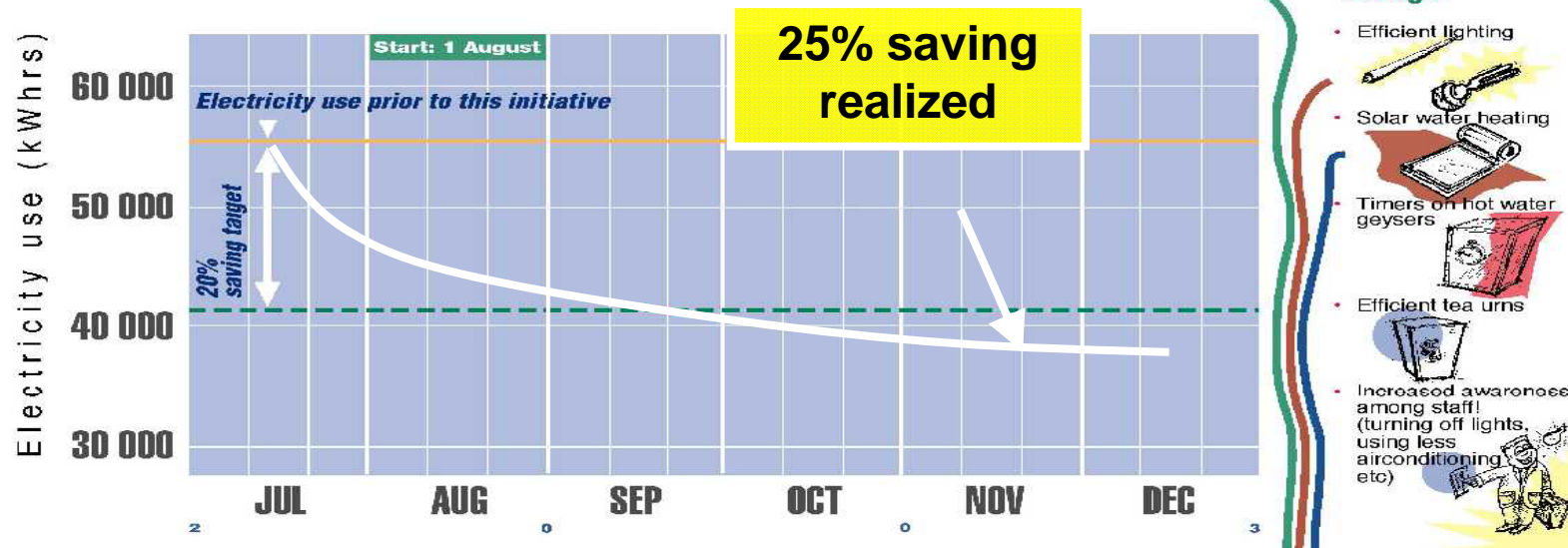
CASE STUDY:

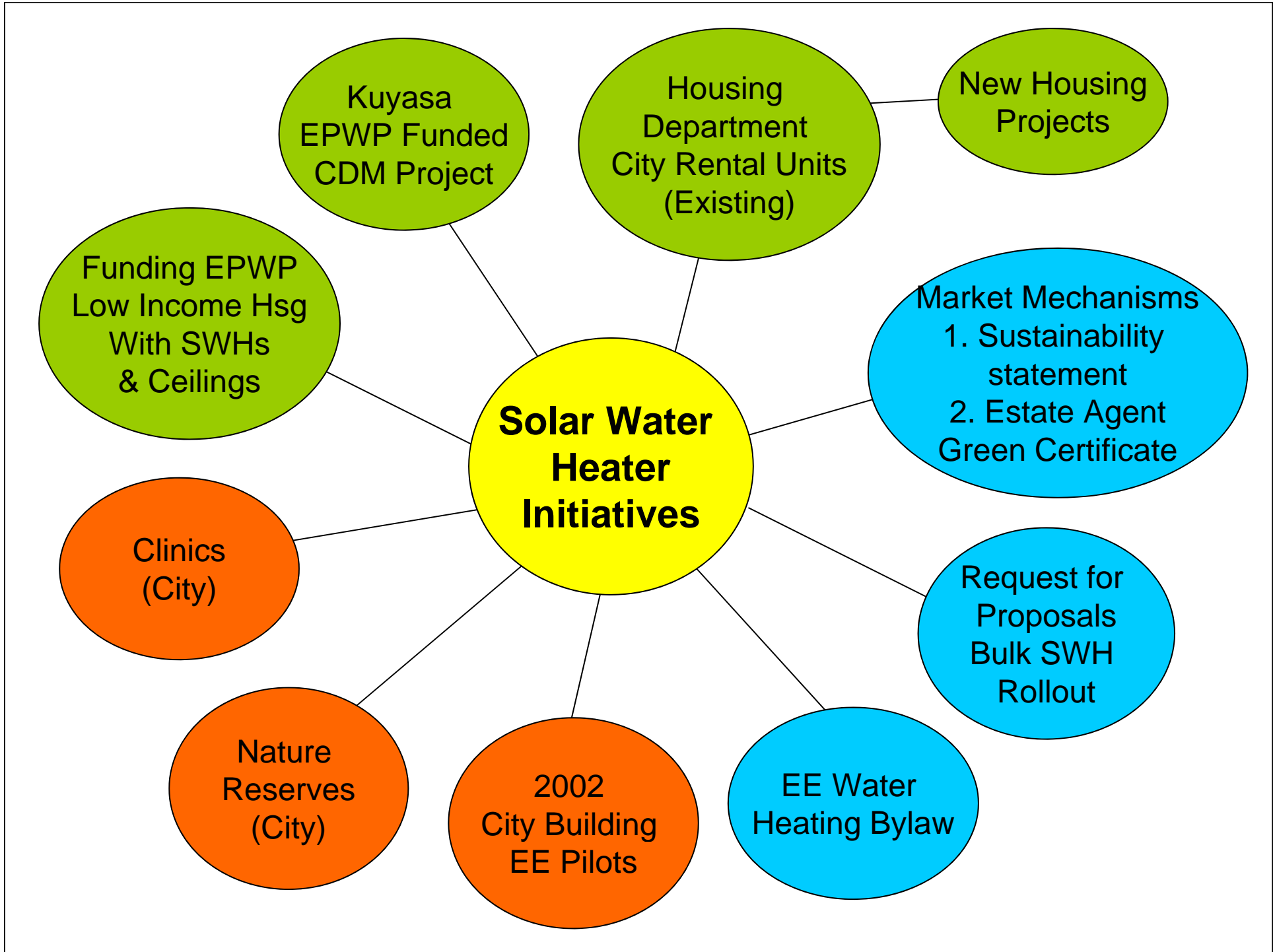
TYGERBERG ADMINISTRATION BUILDING IN PAROW

ELECTRICITY SAVING CAMPAIGN

The Tygerberg Administration Building is committed to saving electricity

Why? - to **SAVE MONEY** and **PROTECT** the **ENVIRONMENT**







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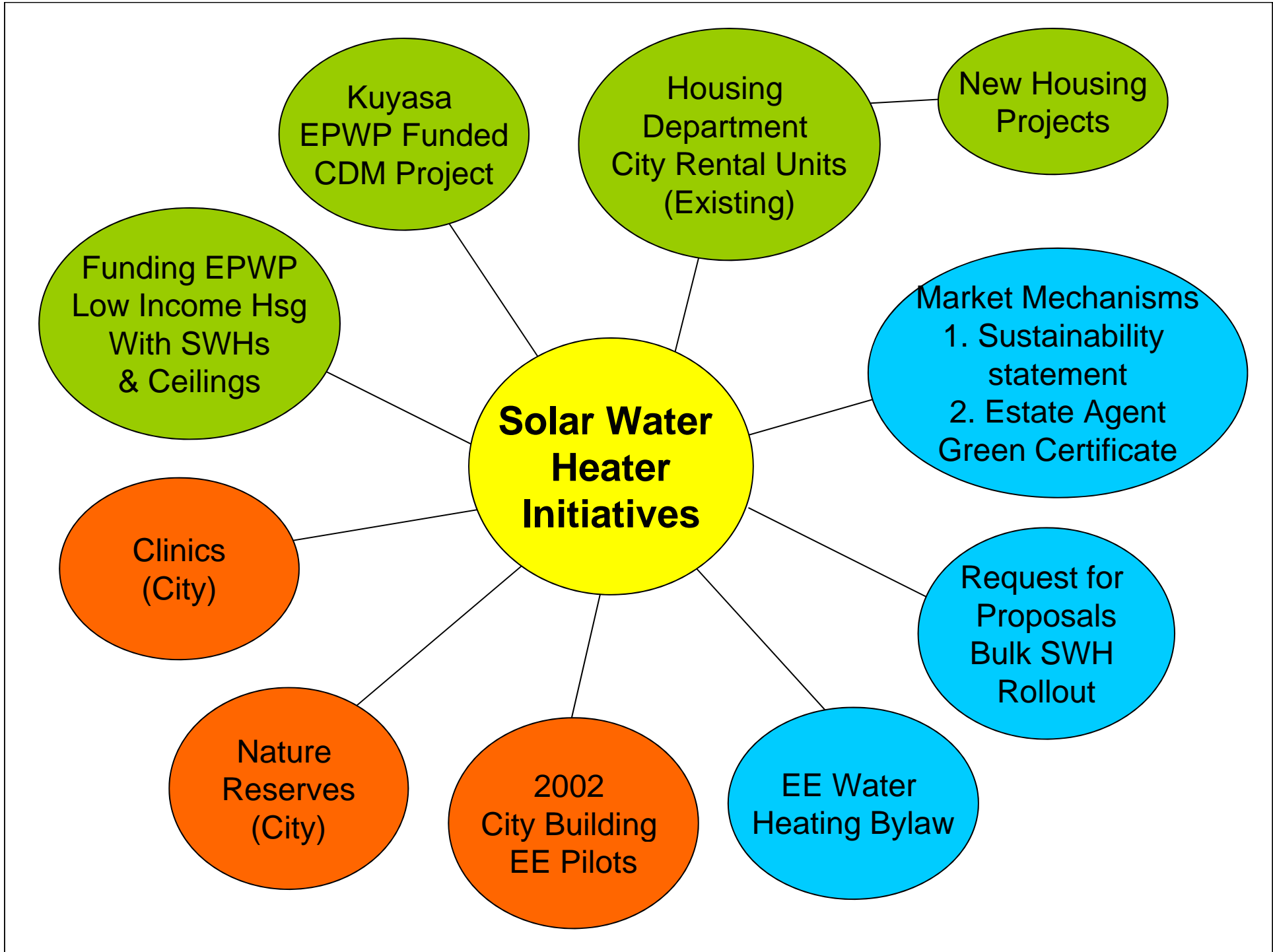
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● INSTALLATION OF SOLAR WATER HEATERS IN CITY NATURE RESERVES

- Six Reserves
- 14 units
- R200 000 investment







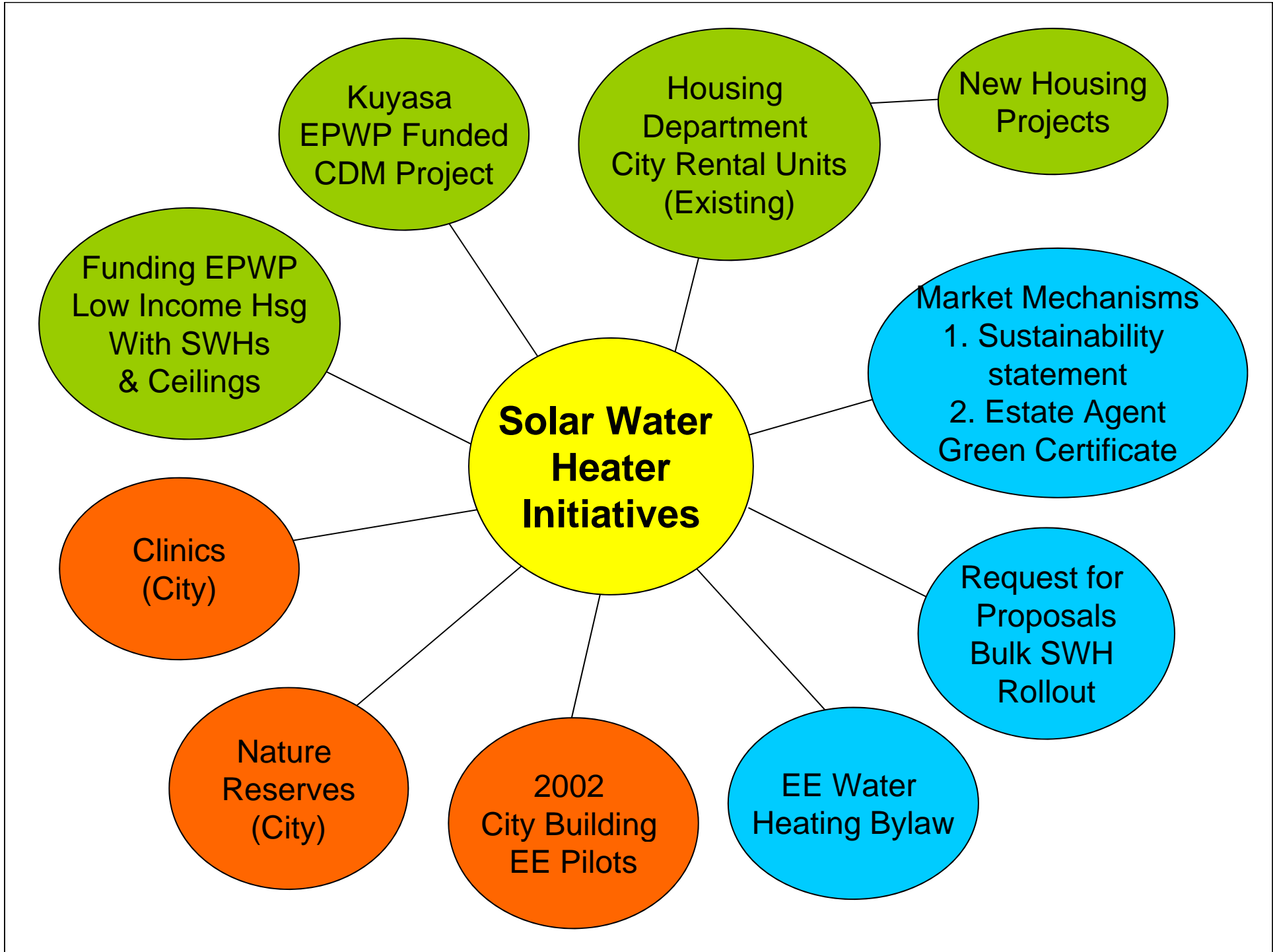
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DRAFT SOLAR WATER HEATERS BYLAW (Now DRAFT ENERGY EFFICIENT WATER HEATING BYLAW)

- **OBJECTIVE:** To regulate the incorporation of solar water heaters (SWH) for the production of sanitary hot water in buildings in the City.
- **SCOPE:**
 - All new buildings in the City.
 - All additions to existing buildings requiring hot water.
- **CHALLENGES:**
 - Constitutional Mandate.
 - Enforcement Complexities.
 - Organisational Resistance.





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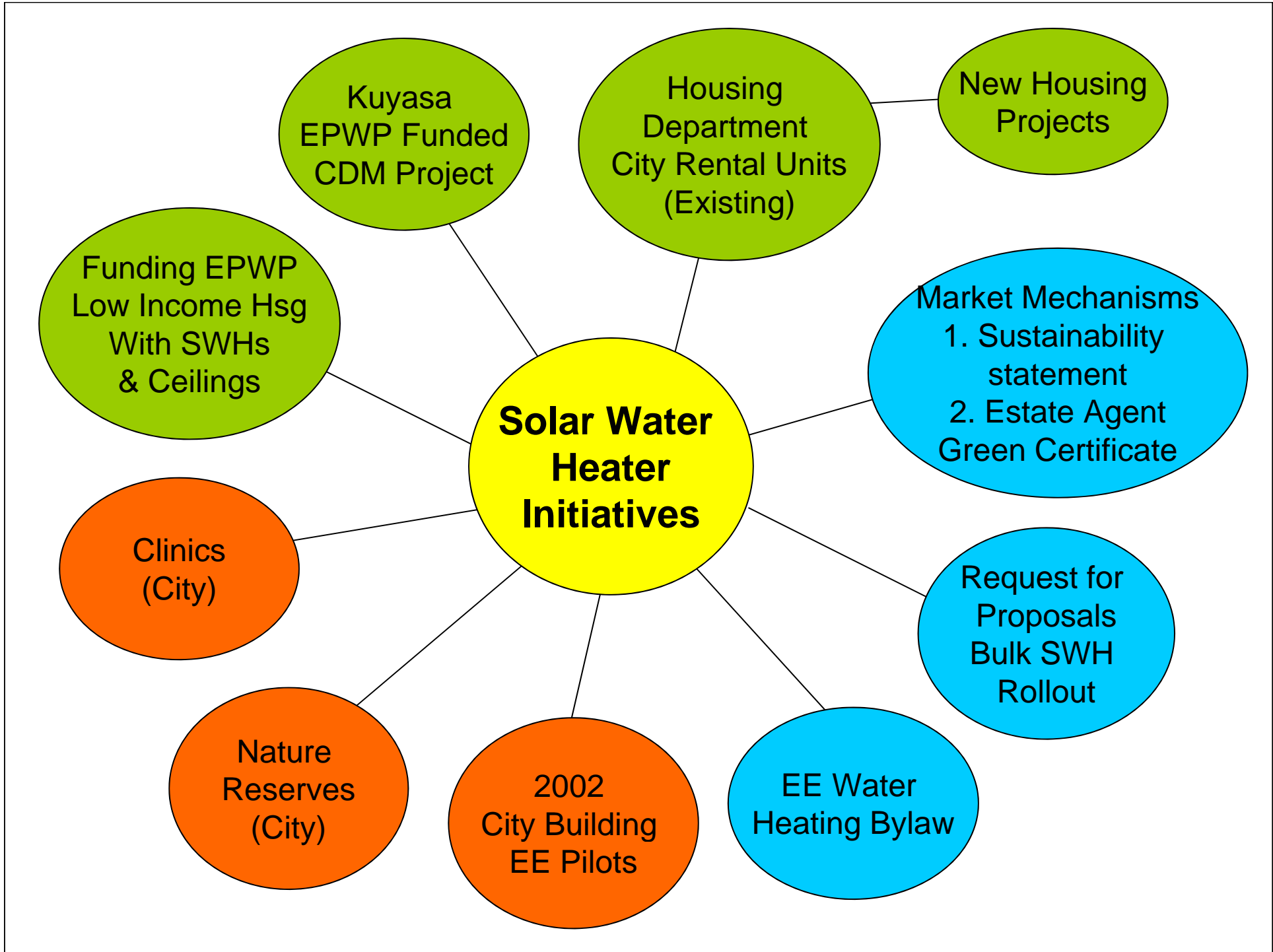


- **SIGNIFICANT IMPROVEMENT IN**
 - Habitability of Home
 - Energy Input Cost
 - Thermal Performance of Home

KUYASA

- More than 2 000 homes Equipped
- Funded EPWP, Province, Others
- Innovative Implementation Method, South African Export Development Fund







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FURTHER INITIATIVES UNDERWAY

- Application for further EPWP funding to replicate Kuyasa
- Interaction with Housing Department:
 - Existing rental Stock
 - New Build Housing Projects
- Bulk Solar Water Heater Rollout
- Installation of Solar Water Heaters on City Clinic Buildings
- Market Mechanisms



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CONCLUSION

We have a Beautiful City
That Beauty is worth preserving
Solar Water Heaters are an
Integral Part Of the process



Thank You. wouter.roggen@capetown.gov.za

