

FORMING NMSU CLIMATE ACTION TASK FORCE

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Council Meeting of 13 Feb 2013

COMPARE

- ▶ NMSU [Climate Change Plan](#)
- ▶ Has goals and plans, however does not have specific indicators tied to university's strategic plan
- ▶ UNM [Climate Change Plan](#)
- ▶ Has specific climate emissions indicators tied to university's strategic plan and goals

NMSU 2008 GREENHOUSE INVENTORY BASELINE

Scope 1 Emissions

Onsite Combustion: 27,294 metric tons of CO₂e

Scope 2 Emissions

Purchased Electricity: 39,902 metric tons of CO₂e

Scope 3 Emissions

Commuting: 81,049 metric tons of CO₂e

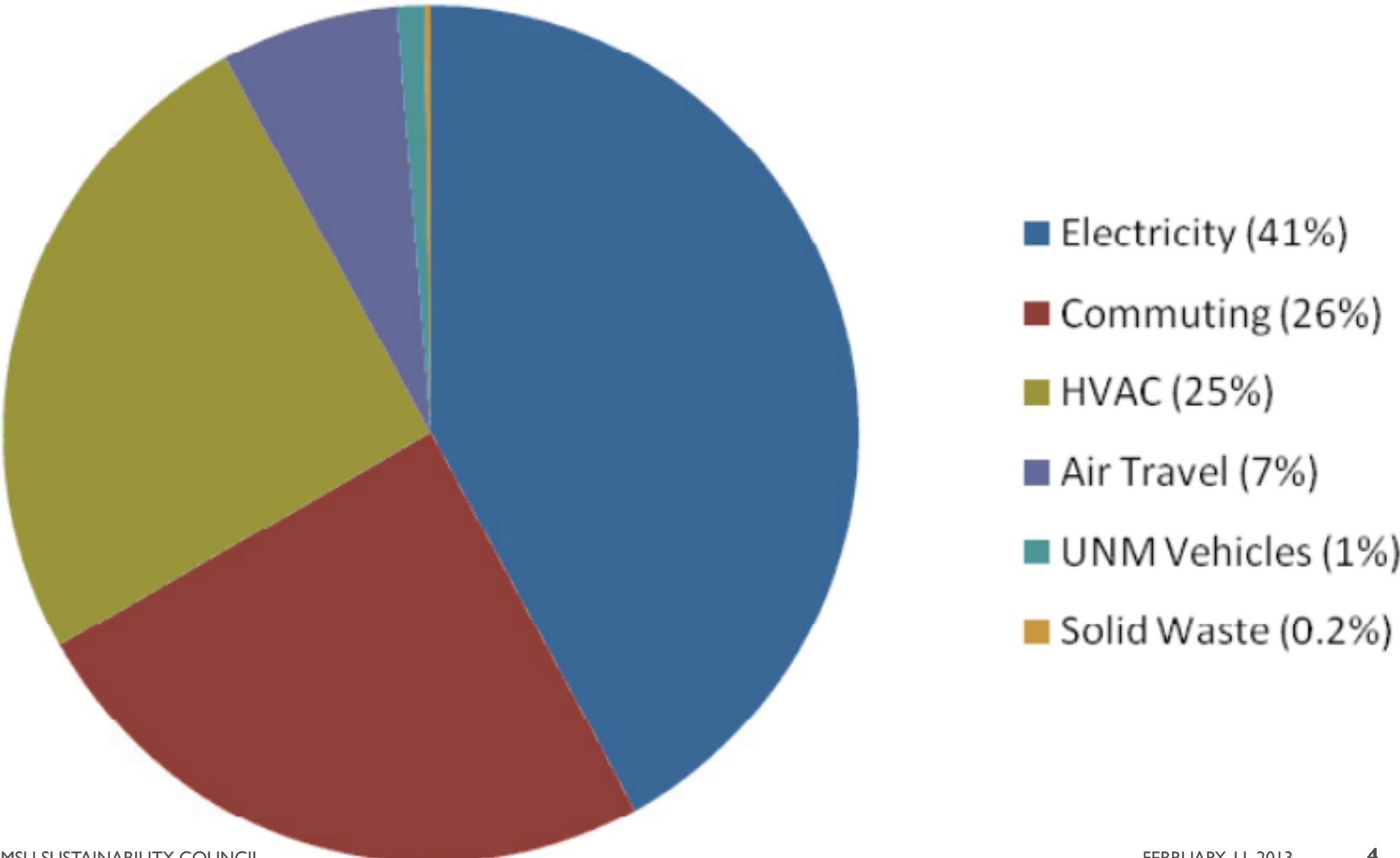
Air Travel: data was unavailable ¹

Solid Waste: 1,943 metric tons of CO₂e

Agriculture: 1,633 metric tons of CO₂e

Total = 151,821 metric tons

UNM'S SOURCES OF GREENHOUSE GAS EMISSIONS



UNM GREENHOUSE GAS EMISSION CAUSES

Cause	GHG (MTCDE)	
Electricity	72,131	41%
Commuting	45,245	26%
Heating	33,291	19%
Air Travel	11,484	7%
Cooling	10,038	6%
UNM Vehicles	1,792	1%
Solid Waste	406	0.2%

UNM CLIMATE ACTION PLAN

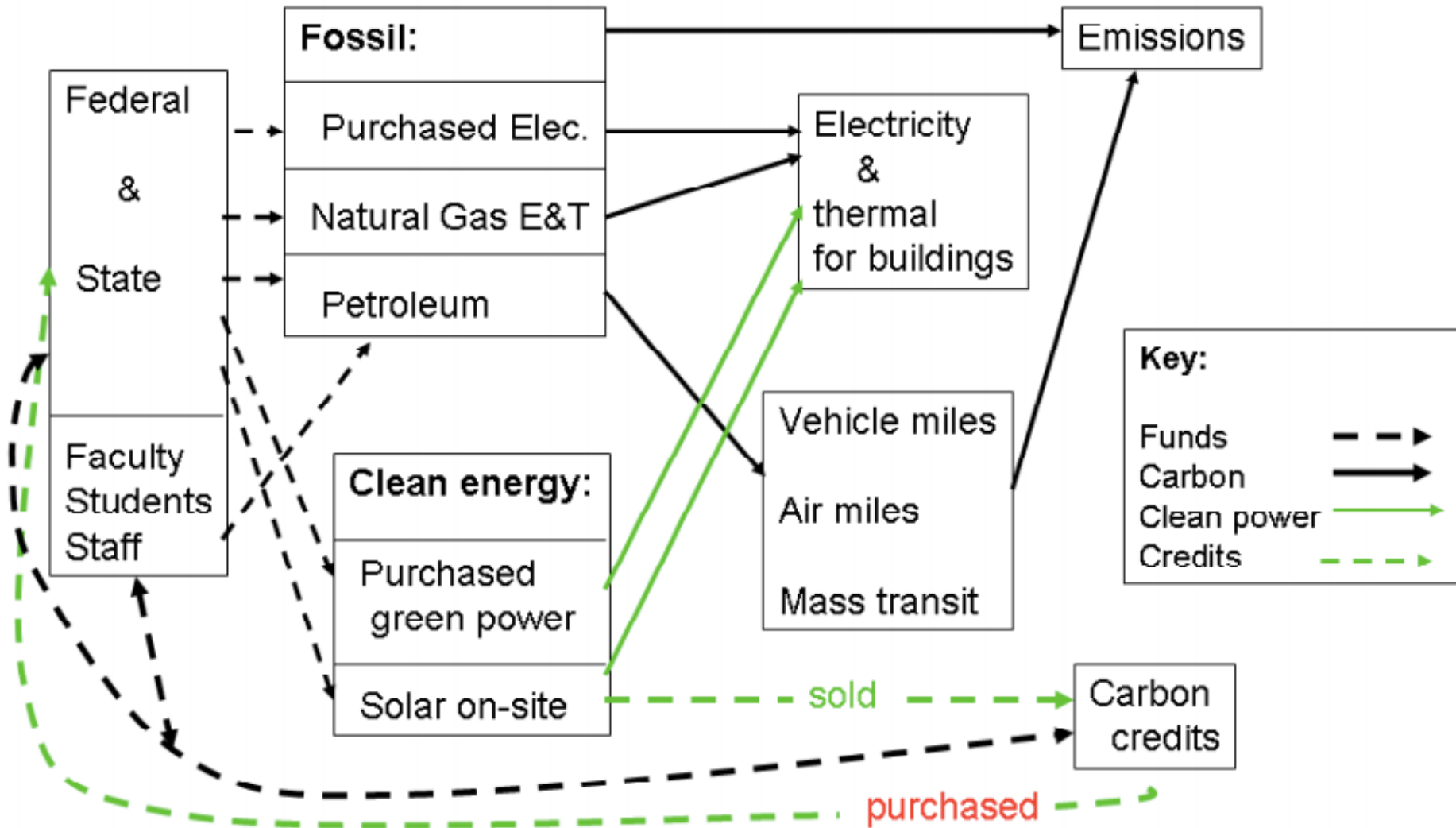
The recommended measures, which combined would eliminate a minimum of 70% of the Albuquerque campus 2006 emissions by 2030

HOW DOES UNM PROPOSE TO DO THIS?

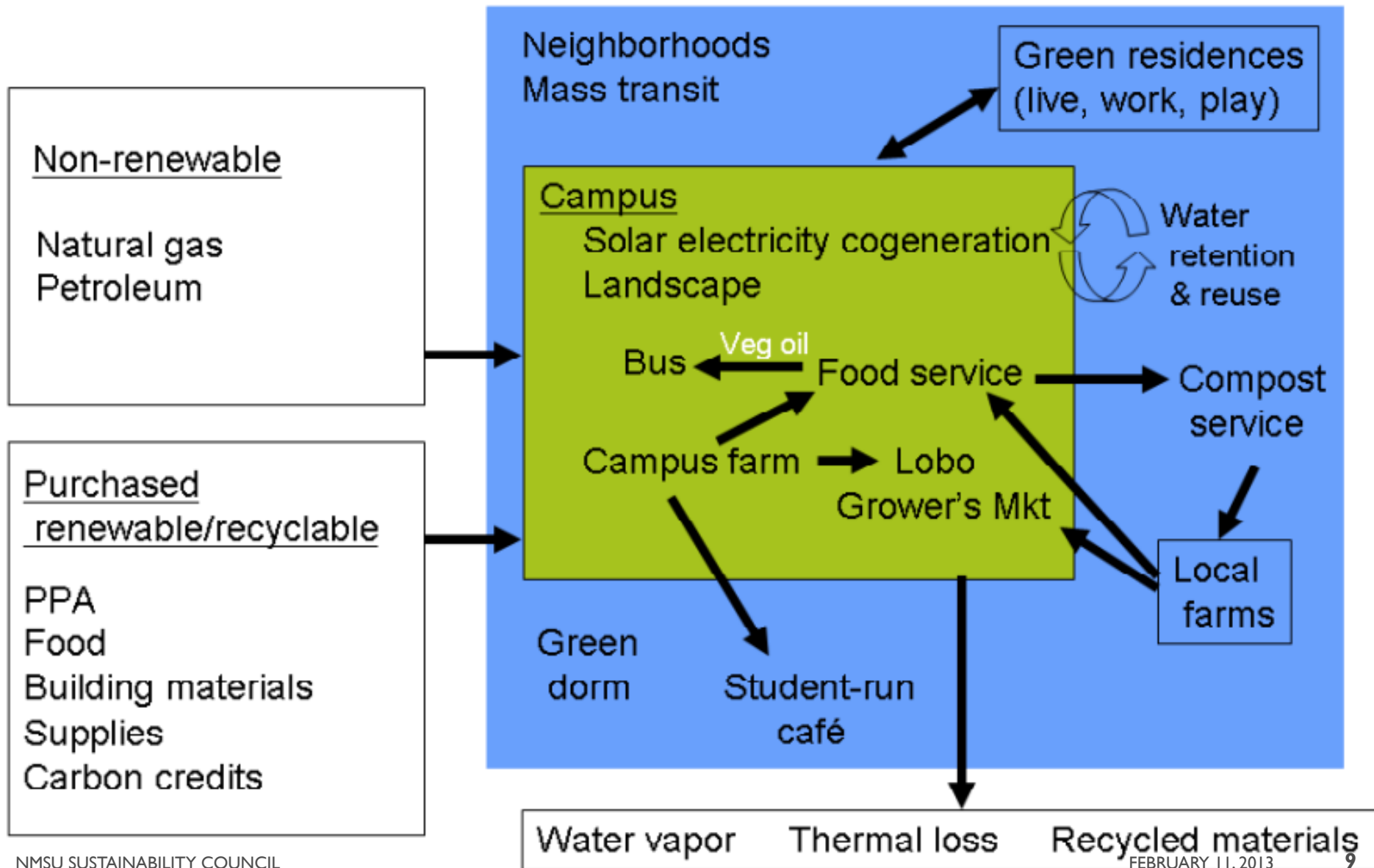
1. Establish a phased 20-30 megawatt renewable energy system on UNM's roofs to provide electricity;
2. Install smart grid technology to decrease and streamline UNM's electricity demand;
3. Commit to moving commuters out of cars and into mass transit, onto bicycles, or onto feet;
4. Exceed Architecture 2030's guidelines and phase in carbon neutral new and renovated buildings;
5. Establish a Revolving Loan Fund to capture and reuse savings and earnings from sustainability projects to fund future sustainable projects.

Natural

Funds Resources Uses Outputs



UNM MODEL OF CLIMATE ACTION



WHY TAKE CLIMATE ACTION

- ▶ NMSU has signed the American College and University Presidents Climate Commitment (ACUPCC), with the long-term goal of NMSU becoming “climate neutral” as it relates to greenhouse gas emissions
- ▶ NMSU has signed the [Talloires Declaration](#)
- ▶ **NMSU General Mission Statement:**

“The mission of New Mexico State University is to serve the people of New Mexico through education, research, extension education, and public service, with special emphasis on preserving the state's multi-cultural heritage [social], protecting its environment, and fostering its economic development in an interdependent world.