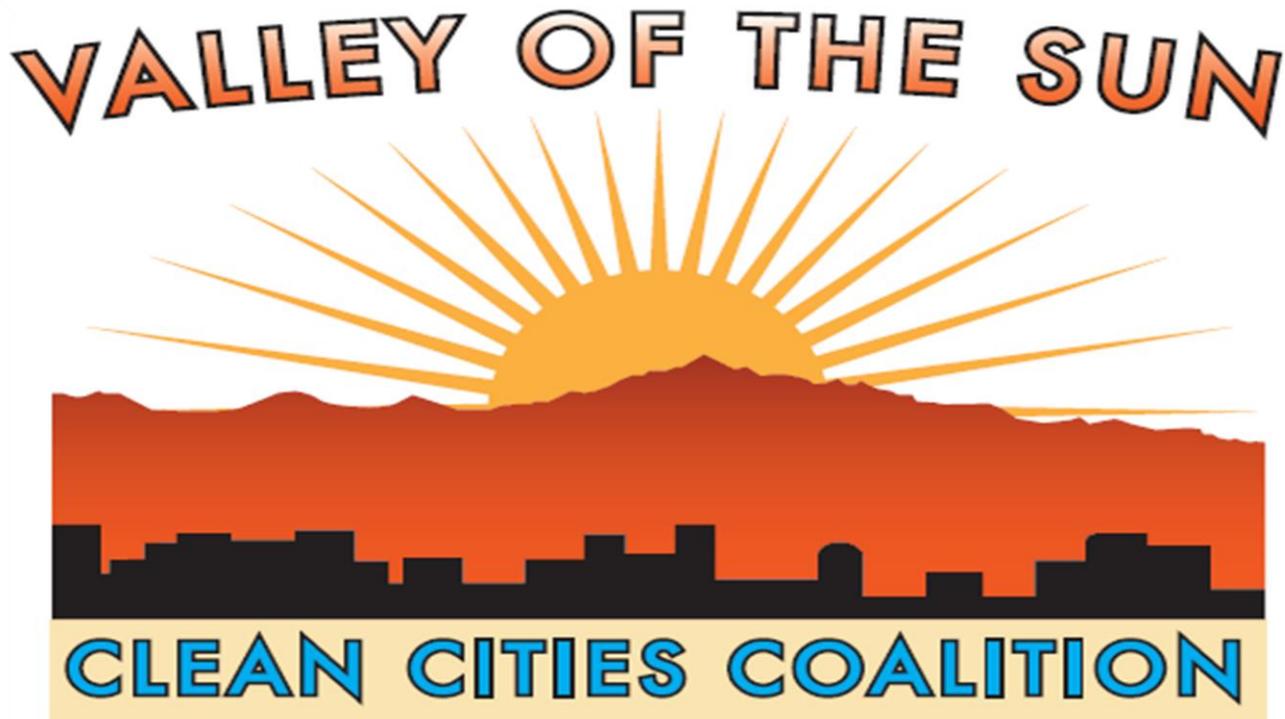


The Road to Clean Air & Energy Security



ASU SkySong Campus 1475 N. Scottsdale Rd., # 200, Scottsdale, AZ 85257

480-884-1623, meganm@cleanairaz.org, www.cleanairaz.org

A Non-affiliated Coalition

We service Central and Northern Arizona from Phoenix, North to Utah and West to Nevada and California – A population of some 4.3 million and an area of 63,000 square miles



We were handed off by the Maricopa Association of Governments
to a group of active stakeholders, in 2000.

Without funds, a structure, an office, phones,
computers or personnel

Please know, we have an aggressive group of stakeholders

Where are we today?

We were rescued by Clean Energy and stakeholders with funding, an office and part time coordinator. As we grew, we move into the facilities of the ASU SkySong Scottsdale campus, and remain totally independent.



- In 2010 we published our first newsletter, we grew our team and provided a professional image and meeting rooms
- Meanwhile, we displaced over 30 million gallons of petroleum fuel

Where Are We Today?

Our key drivers are:

- Valley Metro Transit, now moving from 1,000 to 1,200 LNG buses – projected at 10 Million gallons
- Sky Harbor, 3 CNG stations dispensing 3 Million gallons
- Metro Light Rail, taking 15 million autos off of the road
- Full participation of our municipal fleets
- ECOtality target market for 1,300 charging stations
- Roll-out market for the Leaf, Volt and Focus

What remains in our way?

*“The problem is not what people don’t know,
it is what they know that isn’t so.”*

--Mark Twain

- Complacency – inertia
- The One Solution Imperative
- C.A.V.E.
- The unasked question – Compared to what?

VSCCC Focus

- Public Alt-Fuel Buy-in
- Electric Vehicles & Infrastructure
- Light Rail Extension
- Legislative HOV Expansion
- Propane Development
- School Bus Participation
- National Partners Support
- National Parks Coordination



Public buy-in



Where to Build:

- Municipal & utility employees
- Infrastructure development
- Dealer training
- Media focus
- Workshops

Electric vehicles and infrastructure

We are fortunate to be named by ECOtality as a key market, as well as for the Nissan Leaf, Chevrolet Volt and Ford Focus



We are working with the Governors' office in a statewide electric vehicle and charging station drive termed EVAZ

Light Rail Expansion

- The key section of our new light rail system is up and running, and exceeding their rider projection by 50%
- A vital key to the expansion of light rail is a scheduled link to Sky Harbor



Legislative HOV Lane Extension

Our legislature has provided powerful incentives for the use of dedicated Alt-Fuel Vehicles, lower registration, license fees and access to the HOV lanes



There is a limit of hybrids and no access for dual fuel vehicles -- We have work to do with our State Legislature

Propane Development

We are making major inroads with the recent addition of the Mesa School District and SuperShuttle to our coalition



FerrellAutogas has now added 8 stations in the Valley



School districts participation

We have made progress with some active school districts, such as the Tempe, Mesa and Deer Valley Unified School Districts--this leaves us with substantial potential for alternative fuel conversion from some 45 additional school districts



The needs are real – the time is short

- The Phoenix Air Basin could lose Federal Highway Funds – we must show progress
- On a macro basis, the world will be demanding far more energy than it is now producing
- U.S. Oil Production is not keeping pace
- Pollution levels must be reduced
- We can not depend on foreign oil for energy, and send precious dollars to fund their efforts to boot

Future Energy Needs

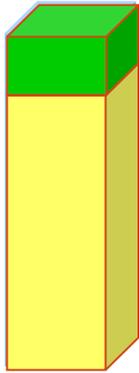
In half a lifetime, world energy needs will double

In 2008, renewable energy was nearly 15% of supply

In 2050, renewable energy will be nearly 41% of the supply

31.1 Terawatts

15.9 Terawatts

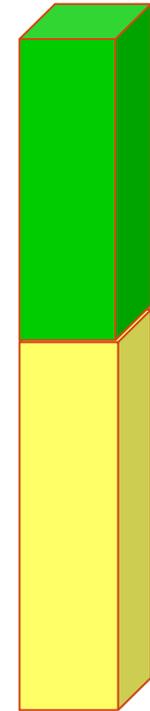


2.4 Terawatts
Renewables

13.6 Terawatts
Traditional (Oil,
Gas, Coal)

12.8 Terawatts
Renewables

18.4 Terawatts
Traditional (Oil,
Gas, Coal)



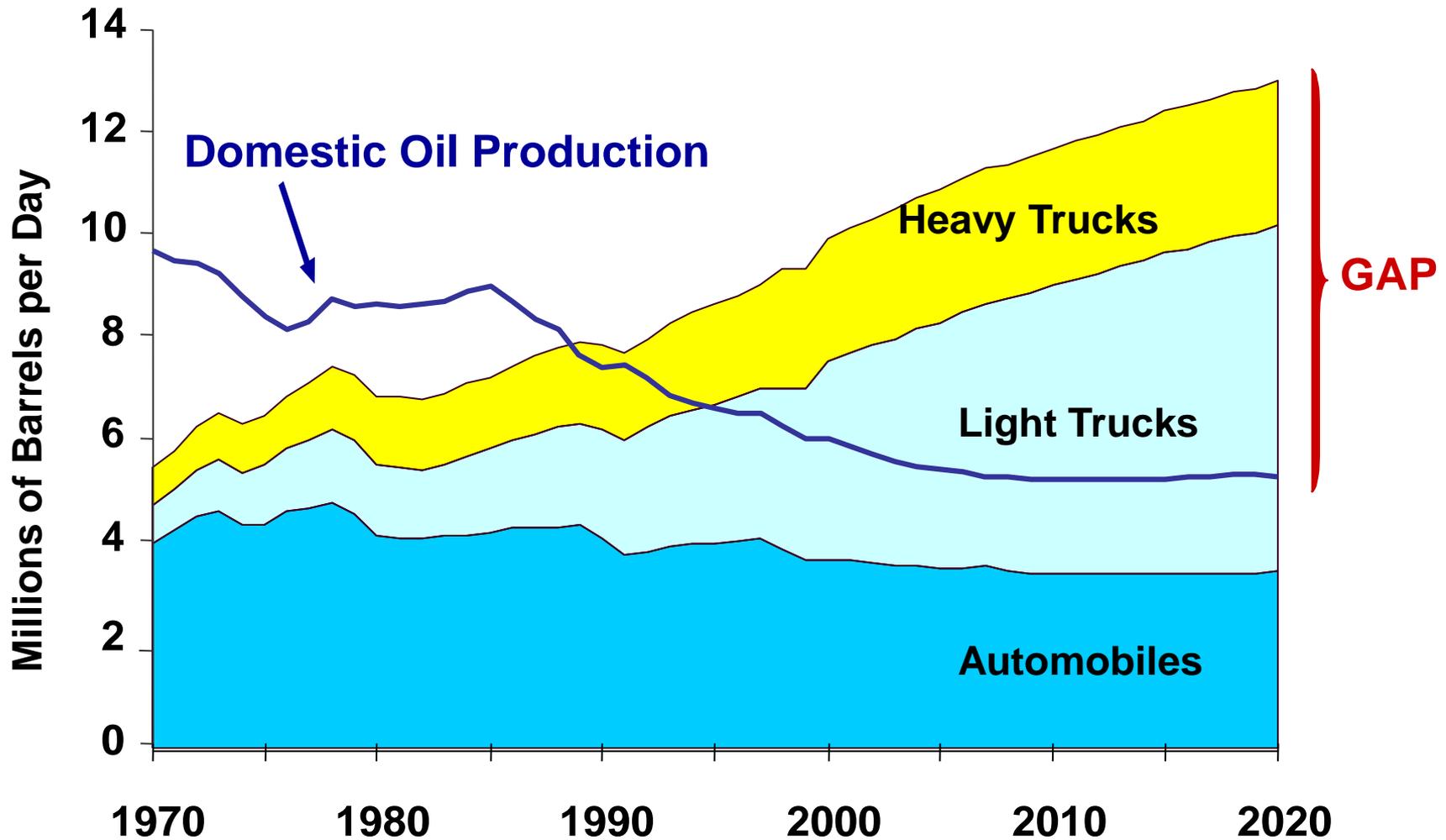
2008 Estimated
Consumption

2050 Estimated
Consumption

Amereco Arizona LLC

As the energy needs double, fossil fuels can not keep pace --charting a vital role for biodiesel

Motor fuel demand is increasing-- while domestic oil production is declining



Source: Transportation Energy Data Book: Edition 19, DOE / ORNL - 6958, September 1999, and EIA Annual Energy Outlook 2000 , DOE / EIA 0383 (2000), December 1999

The Road to Clean Air & Energy Security

VALLEY OF THE SUN



Any Questions?

Thank You

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