

National Energy Technology Laboratory



Energy Codes 2007

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National Energy Technology Laboratory



The Project Management Center (PMC)

What it is:

“...**dedicated** field implementation **capability** with the sole purpose of providing **common** comprehensive **management services** (project, financial, legal, procurement) for **all EERE Programs** ...”¹⁾

Who it is:

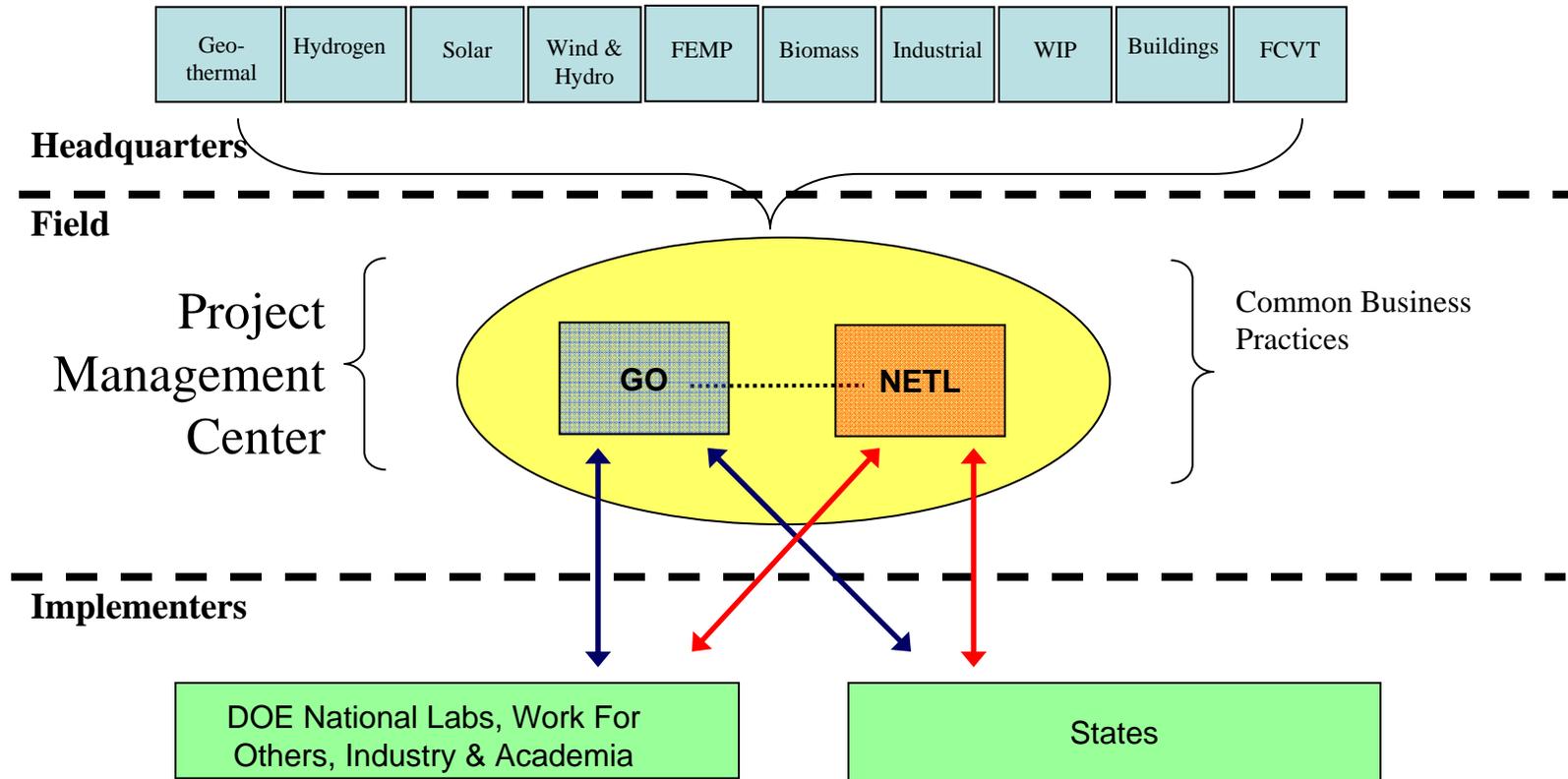
- Golden Field Office (GO)
- National Energy Technology Laboratory (NETL)

“One way of doing business”

- Integrated project management; well defined roles/responsibilities
- Better responsiveness; more personnel dedicated “one-way” practice
- Improved timeliness, accountability, and quality
- Appropriate Federal oversight role
- Reduced costs to DOE



Program/Organization Alignment



Program Implementation Responsibilities

- **GO**

- Solar Energy
- Wind & Hydropower
- Geothermal Energy
- Biomass
- Industrial Technologies (ITP)
- Hydrogen, Fuel Cells and Infrastructure
- Federal Energy Management (FEMP)
- * Native American (OWIP)

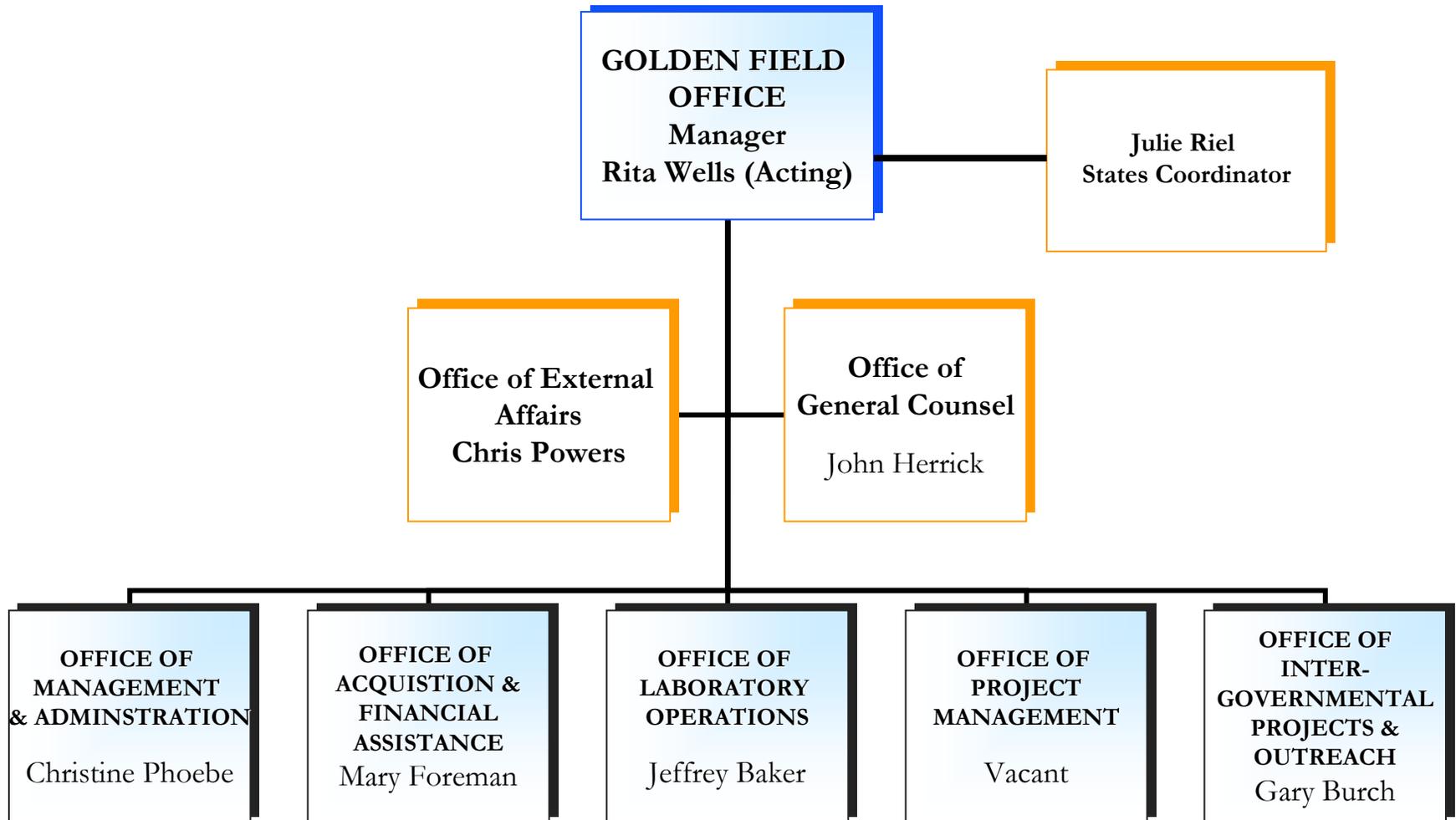
- **NETL**

- Building Technologies
- FreedomCAR
- Weatherization and Intergovernmental (OWIP)
- * Mining (ITP)
- * Biomass and Alternative Methane Fuels (FEMP)
- * Black Liquor Gasification (Biomass)

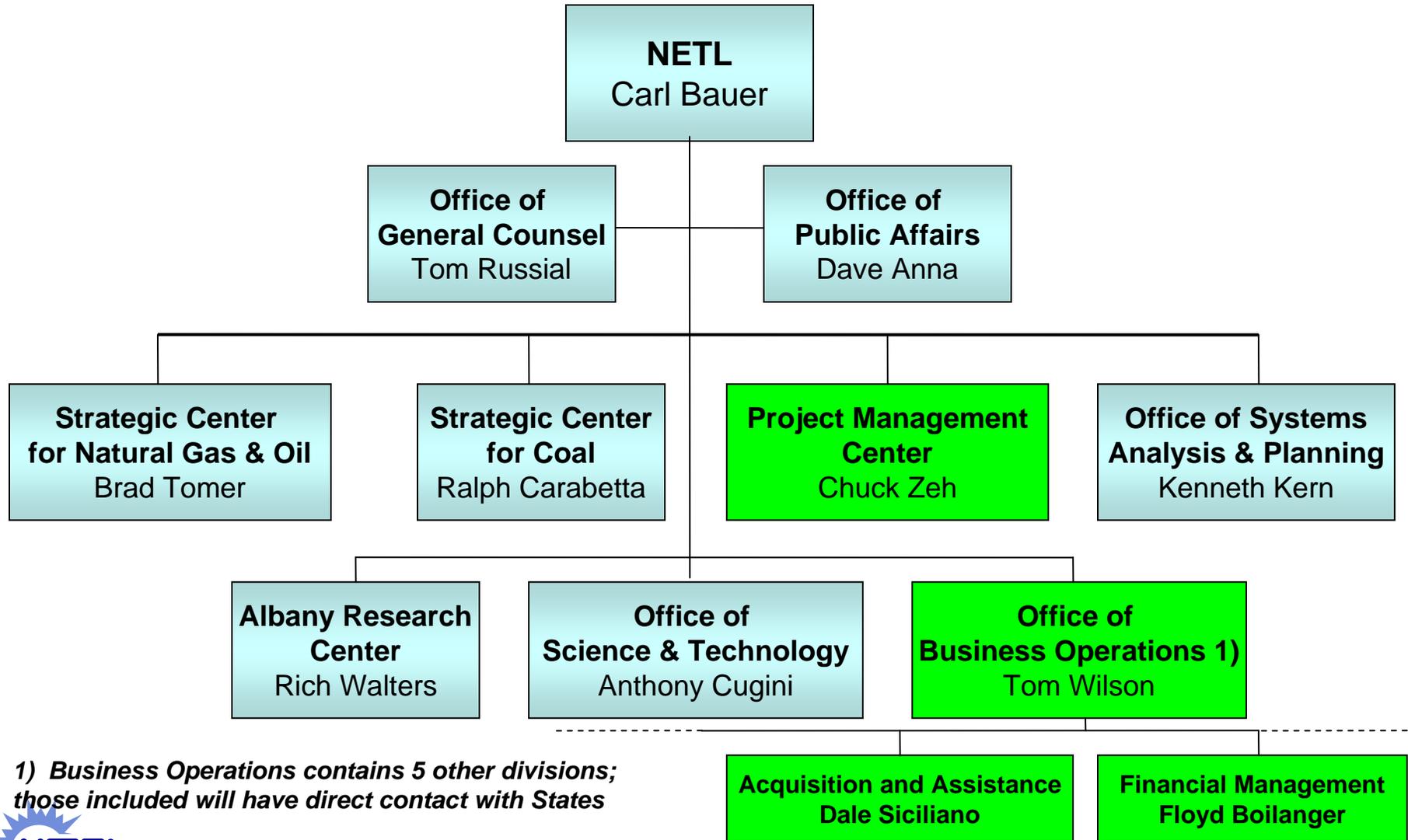
* Subprograms where Program responsibility resides at the other PMC entity



Golden Field Office (GO)



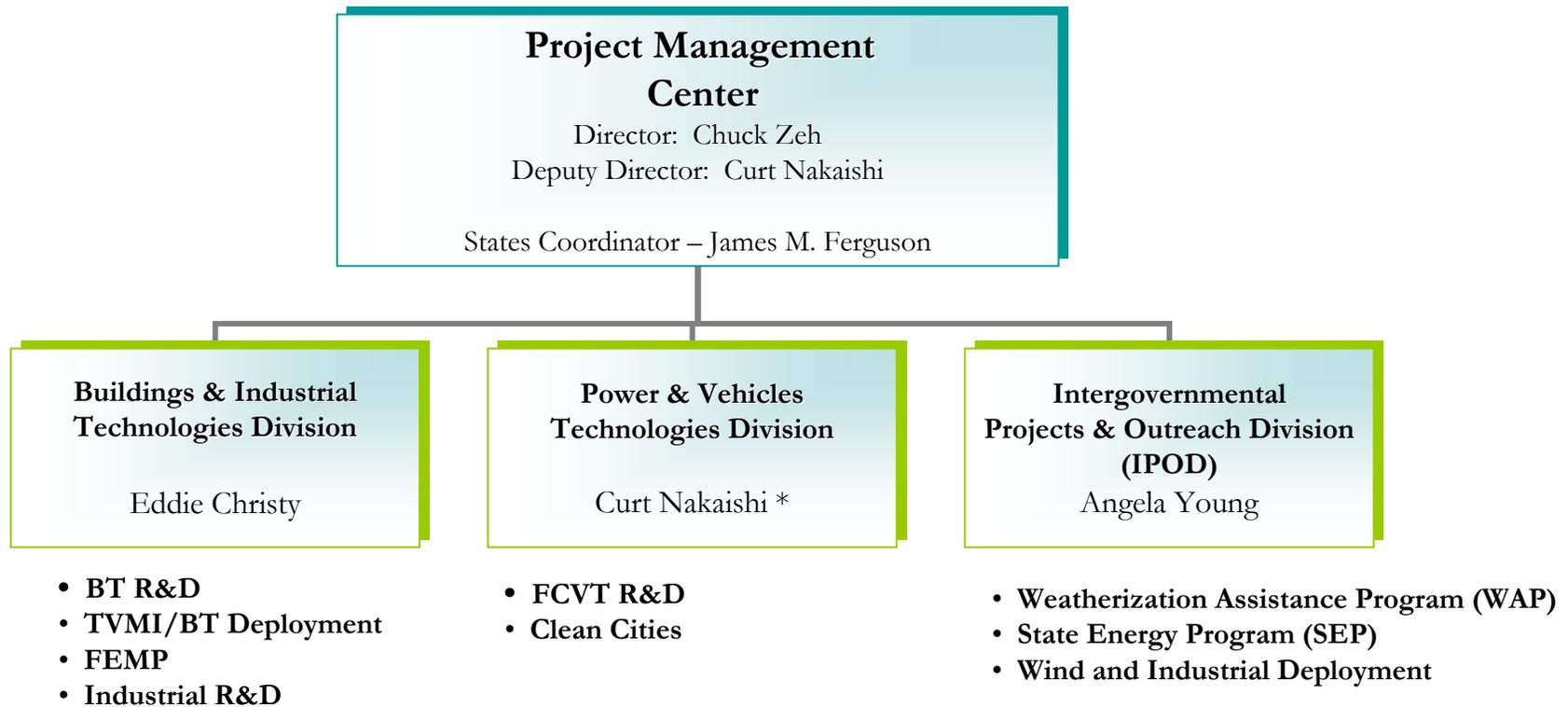
National Energy Technology Laboratory (NETL)



1) Business Operations contains 5 other divisions; those included will have direct contact with States

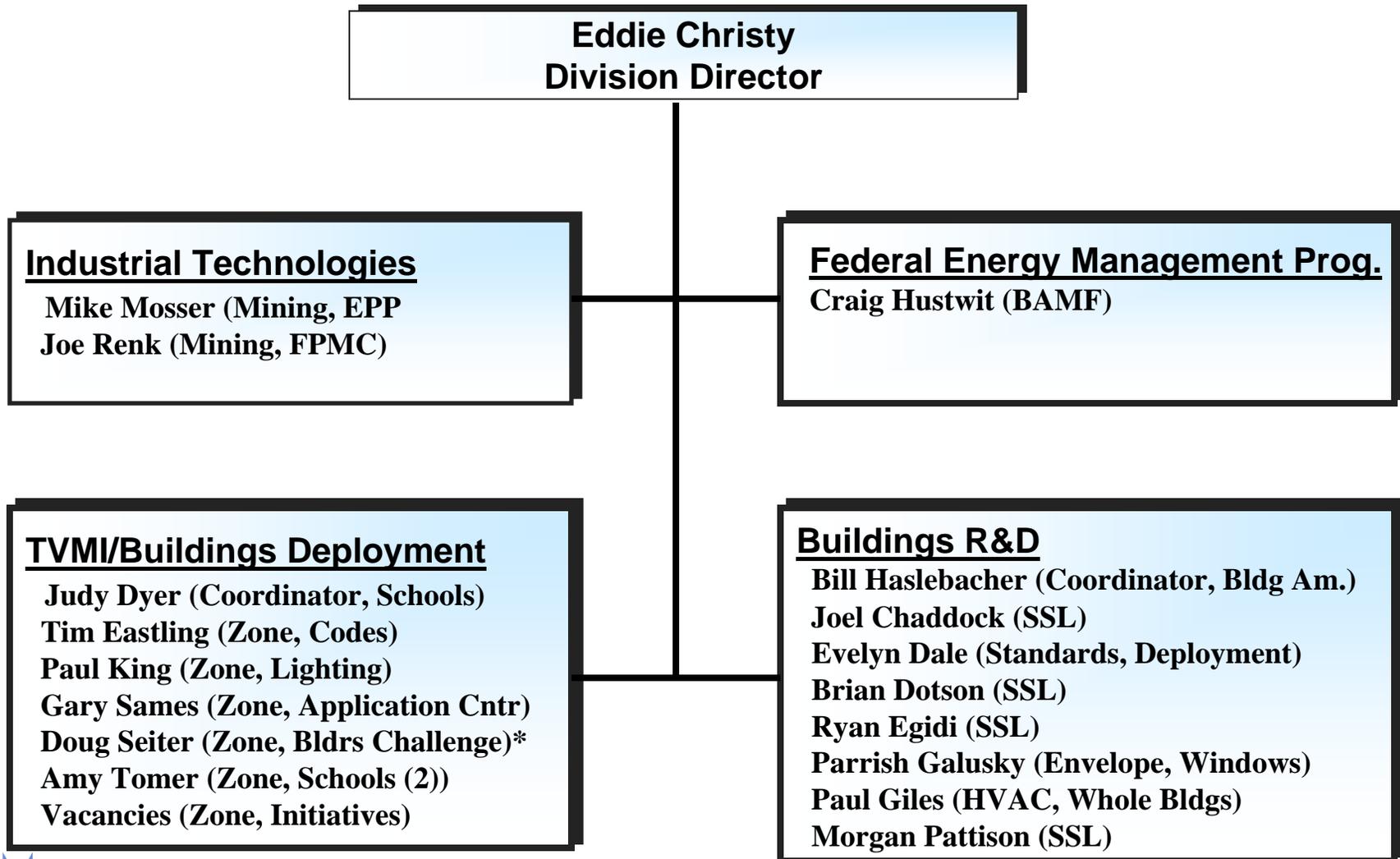


NETL PMC “Project” Structure



* Acting

Buildings & Industrial Technologies Division

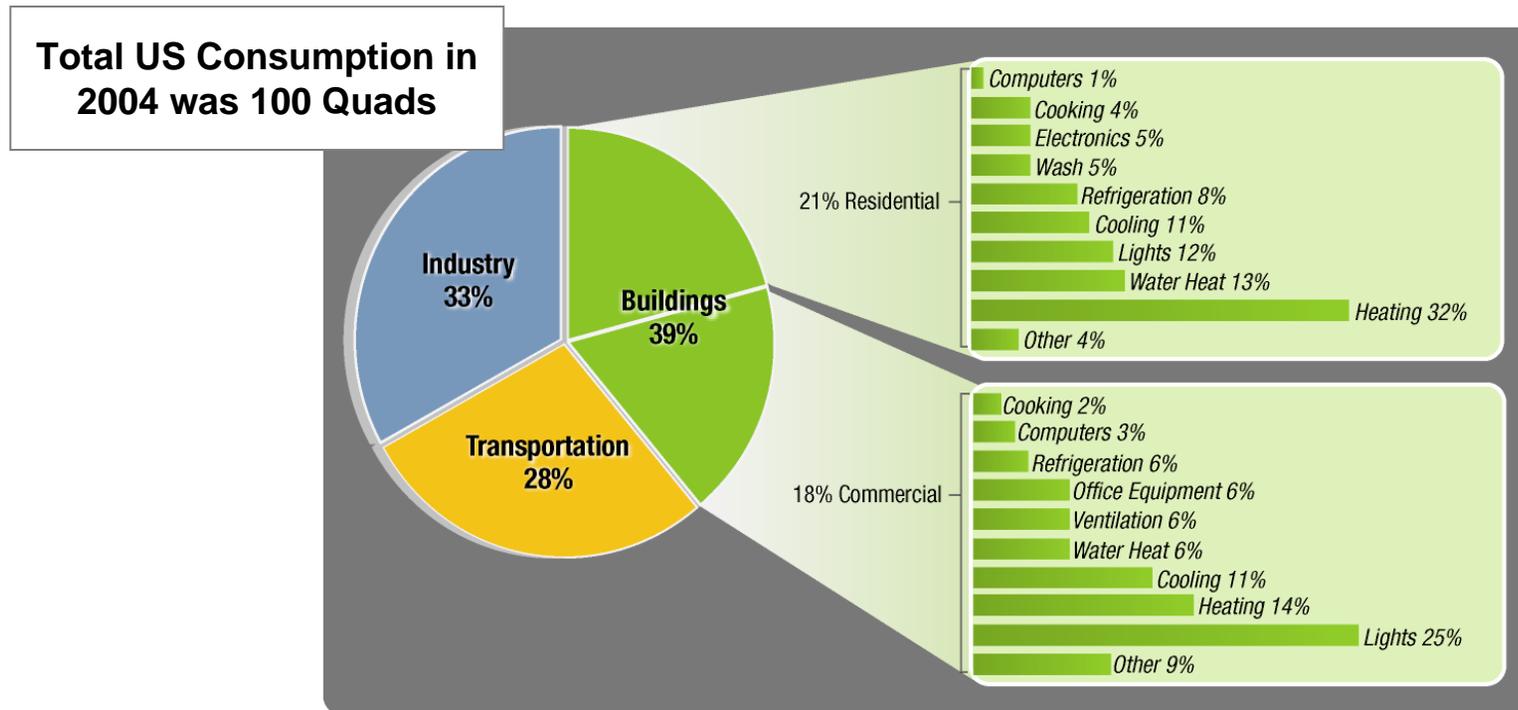


* Doug Seiter is a GO employee



Buildings Sector

Buildings sector accounts for 39% of US energy, 71% of electricity, 55% of Natural Gas, and 38% of carbon, 19% of NO_x, and 52% of SO₂ emissions.



Building Sector construction and renovation accounts for 9% of GDP and employs 8 million people. Energy utility bills total \$325B each year.

Source: *Buildings Energy Data Book*, September 2006, Tables 1.1.3, 1.1.6, 3.1.1, 3.3.1, 4.1.5, 5.1.2, 5.3.1

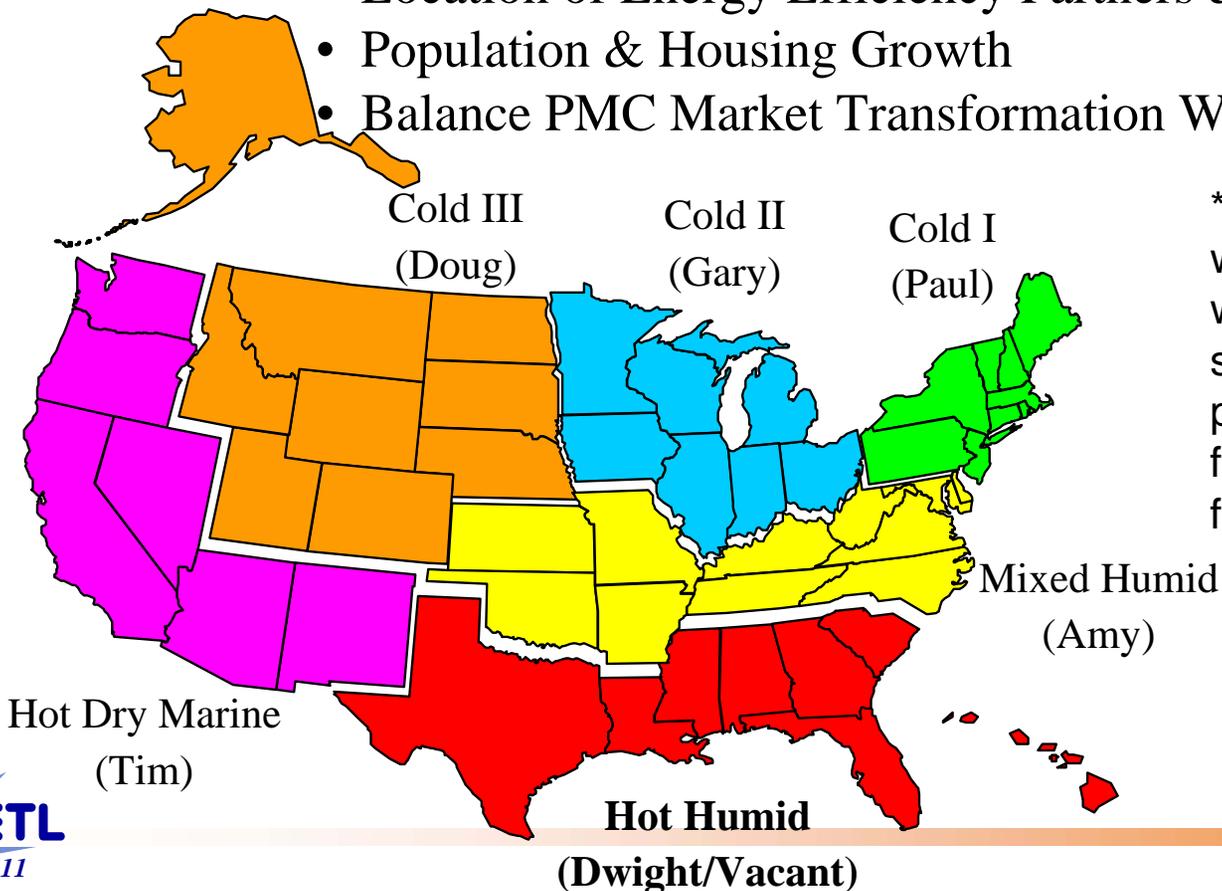
Technology Validation and Market Introduction

TVMI Vision: To accelerate widespread market adoption of energy-efficient building technologies and practices to accelerate office goal of net-zero energy homes by 2020 and zero energy buildings by 2025.

- Strategy:
 - Accelerate the commercialization path for BTP technologies and processes;
 - Develop real-time, market data to guide investment decisions; and
 - Create a coordinated national approach to efficiency that will enhance market transformation.
- Advances are possible by:
 - Developing and implementing market-based initiatives
 - Leveraging the resources and market reach of key stakeholder groups
 - Communicating the benefits of energy efficiency actions

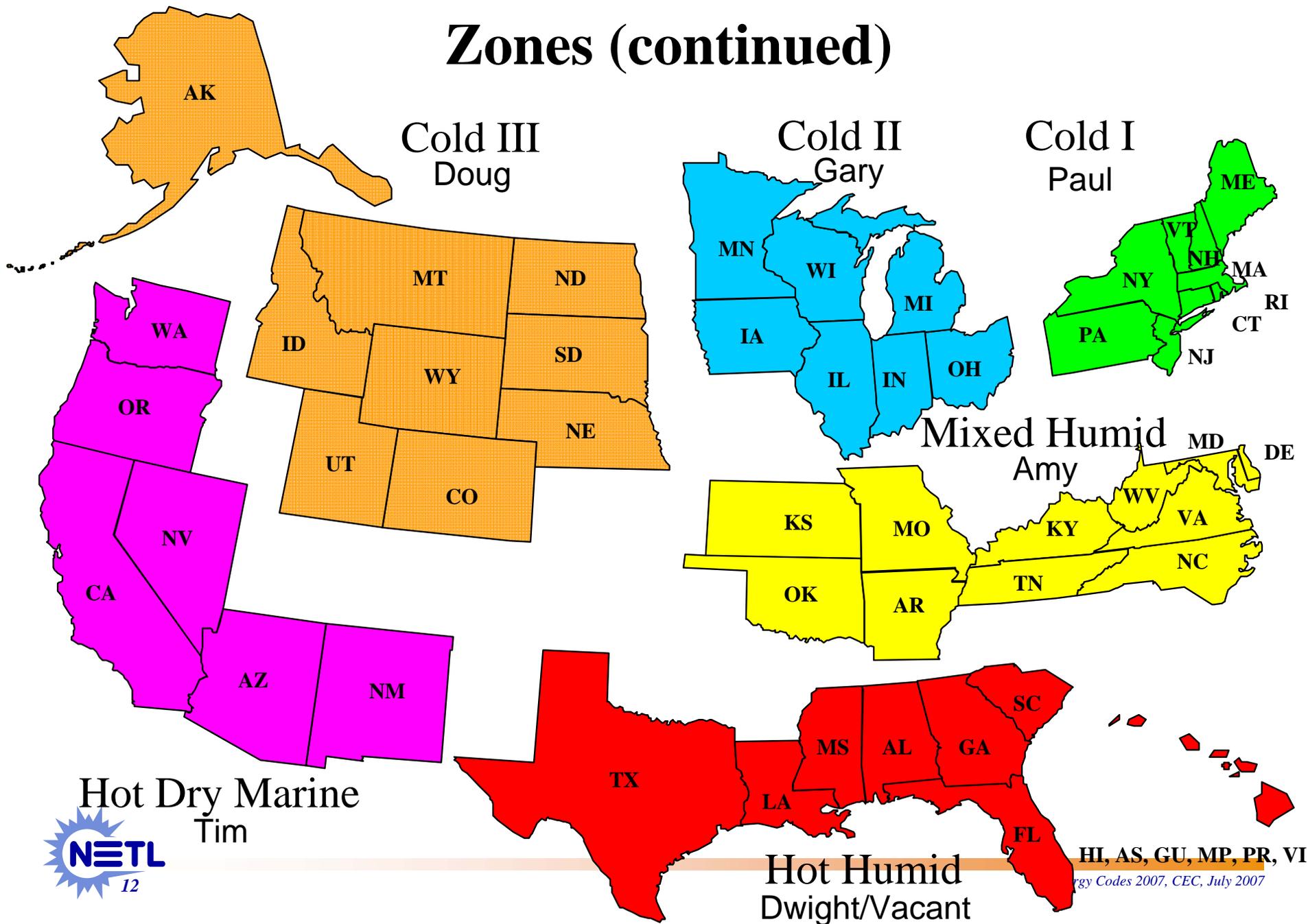
PMC-BT (TVMI) Zones

- New zones created to better manage the workload and provide better service to the States and Territories
- New zones, for DOE assignments*, based on:
 - Climate
 - Location of Energy Efficiency Partners & Building Allies
 - Population & Housing Growth
 - Balance PMC Market Transformation Workload



* The PMC-BT Zones were created to assign workload to PMC-TVMI staff, States are not precluded in any way from working with States from other Zones.

Zones (continued)



TVMI Staff Primary Duties

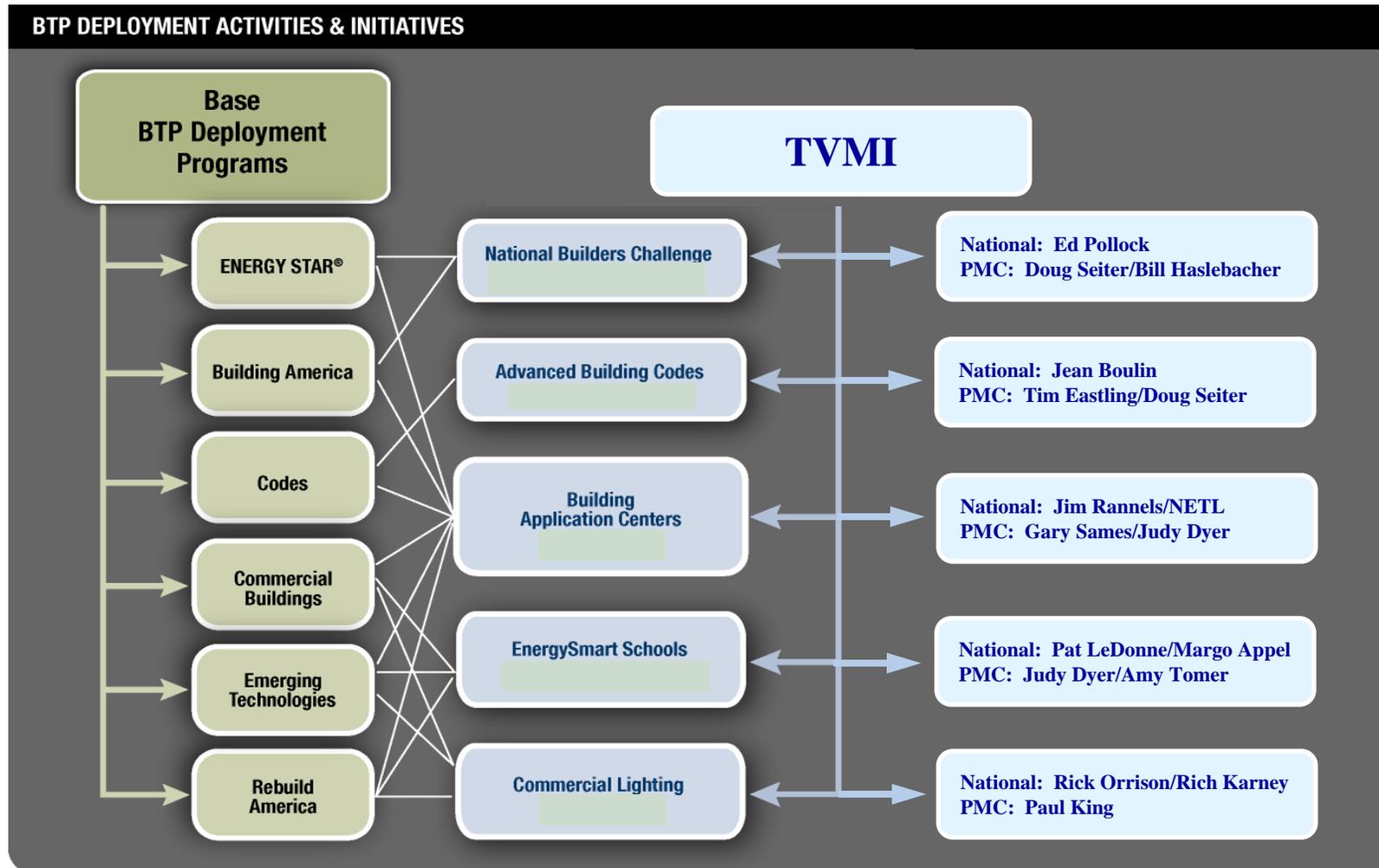
- Serve as primary PMC POC in Zone
- Manage grants/projects in Zone
- Implement the initiatives or more broadly, BT deployment, in Zone
- Communicate Zone “issues” to the PMC and HQ

Climate Zone	Total Active Projects	Close-out Projects	Total Projects	States & Territories
Cold 1 (Paul King)	48	23	71	9
Cold 2 (Gary Sames)	34	8	42	7
Cold 3 (Doug Seiter)	29	4	33	9
Mixed-Humid (Amy Tomer)	39	4	43	12
Hot-Humid (Dwight Bailey – Acting)	45	8	53	13
Hot-Dry/Marine (Tim Eastling)	28	11	38	6
	223	58	281	56

PMC-BT/TVMI Contacts

Climate Zone	PMC Contact	Phone	E-mail
Cold 1	Paul J. King	412.386.4724	Paul.J.King@netl.doe.gov
Cold 2	Gary Sames	412.386.5067	Gary.Sames@netl.doe.gov
Cold 3	Doug Seiter	303.275.4810	Doug.Seiter@go.doe.gov
Mixed-Humid	Amy Tomer	304.285.4670	Amy.Tomer@netl.doe.gov
Hot-Humid	Dwight Bailey (Acting)	412.386.4766	Wilbur.Bailey@netl.doe.gov
Hot-Dry/Marine	Tim Eastling	412.386.4770	Timothy.Eastling@netl.doe.gov

TVMI (BT Deployment)



Note: An Initiative in Hospitals is also being developed

What Are the Initiatives...

- **Application Centers**
 - Creates a permanent sustainable presence to ensure the transfer of efficient building technologies into local markets
- **Builders Challenge**
 - Construction of 100,000 homes to Building America levels by 2009
 - Moving building market progressively toward zero energy home potential
- **Commercial Lighting Challenge**
 - 30% improvement in lighting energy use in 5.5 billion square feet of office space by 2009
- **EnergySmart Schools**
 - 800 new schools built to be 50% better than code and 30% improvement in 3,200 existing schools by 2009
- **ASHRAE Commercial Building Challenge**
 - Increase number of States to Adopt 30% Upgraded Commercial Buildings Code

For More Information, Please Visit...

- EERE Project Management Center (PMC): <http://www.eere-pmc.energy.gov>
- DOE Office of Energy Efficiency and Renewable Energy: <http://www.eere.doe.gov>
- PMC Stakeholder Update (Newsletter): PMCstakeholders@go.doe.gov