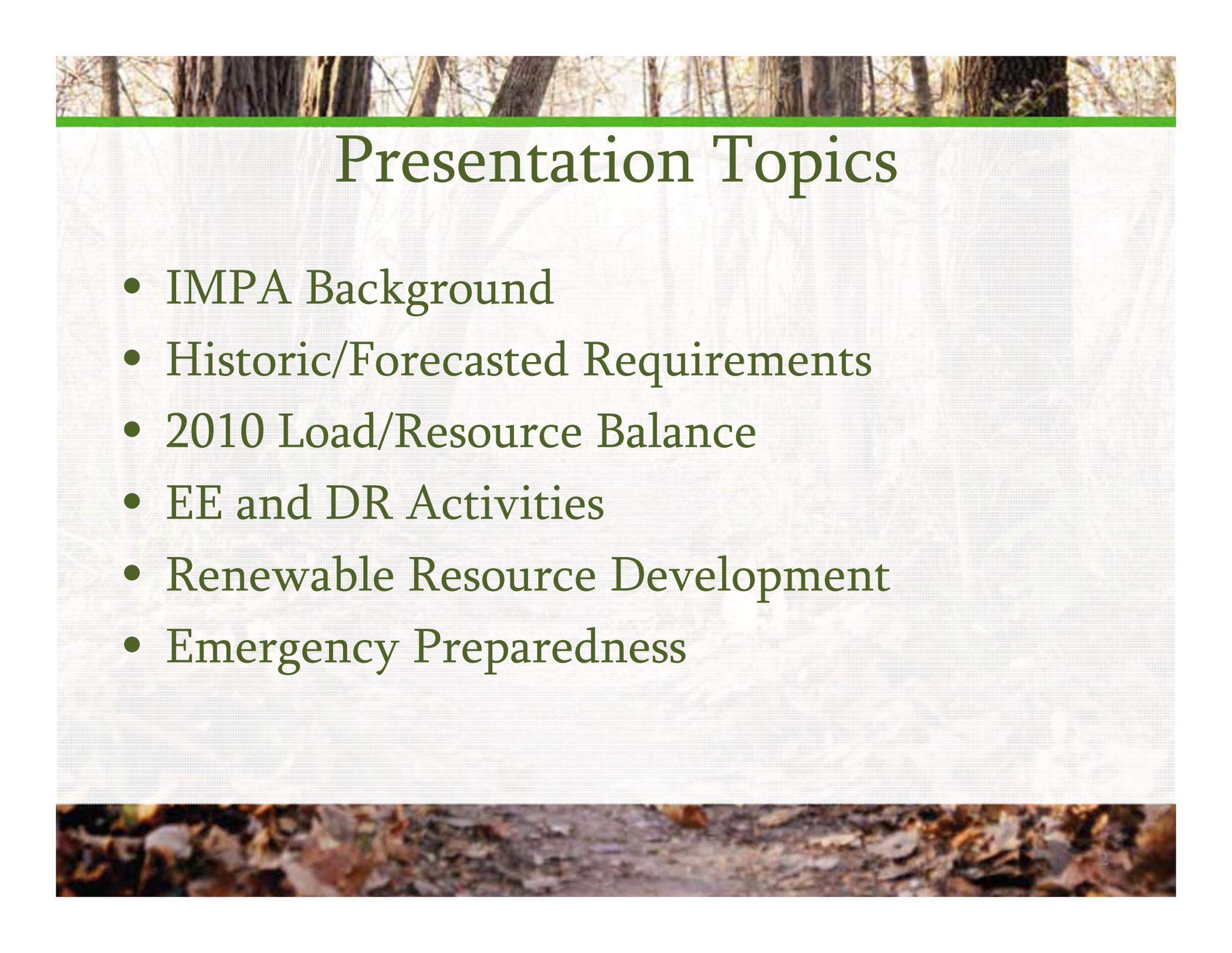




IURC Summer 2010 Capacity Assessment

Larry Brown
Vice President, Resource Planning
Indiana Municipal Power Agency

May 20, 2010

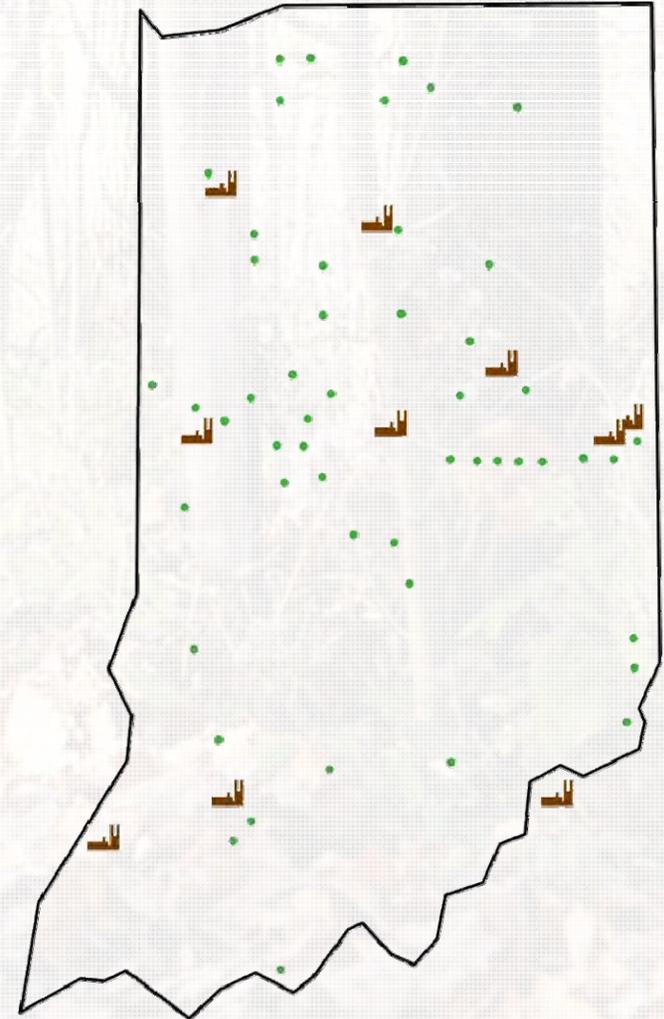


Presentation Topics

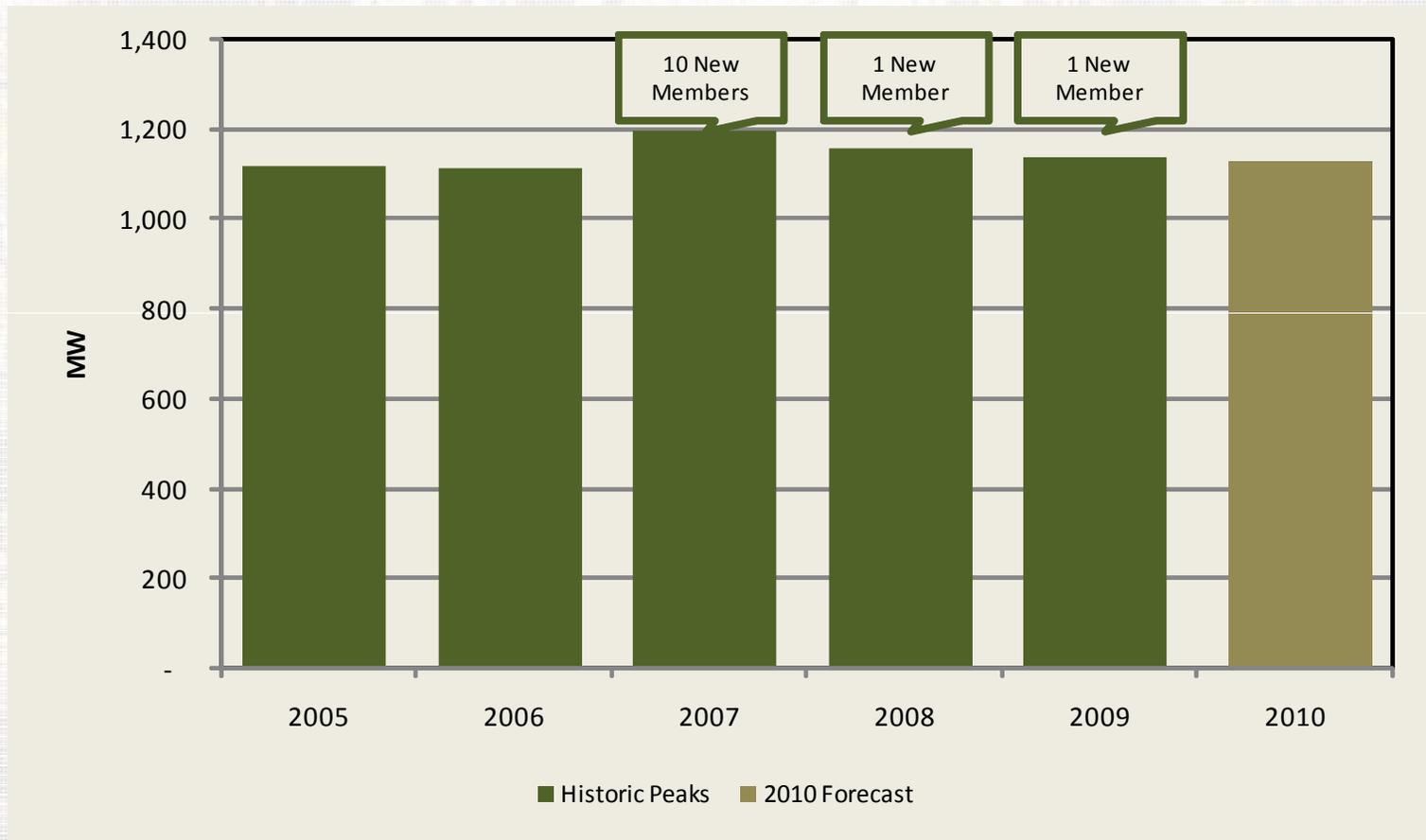
- IMPA Background
- Historic/Forecasted Requirements
- 2010 Load/Resource Balance
- EE and DR Activities
- Renewable Resource Development
- Emergency Preparedness

IMPA

- Not for profit full requirements provider to 53 municipally owned distribution systems (55 in Dec '10)
- Owned and governed by member utilities
- Member communities represent a population of more than 323,000
- Serves no retail customers
- Load in both MISO (67%) and PJM (33%)
- Portfolio of agency, joint and member-owned resources and purchased power contracts



Peak Demand



2010 Balance of Loads and Resources

	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>
<u>Load Requirements</u>				
IMPA Peak Demand Requirements	1,114	1,125	1,114	1,062
<u>Resources</u>				
IMPA and Member Owned Generation	751	751	848	848
Purchased Power Resources	390	391	391	389
Net Contract Capacity and Capacity Sales	<u>21</u>	<u>26</u>	<u>(70)</u>	<u>(114)</u>
Total Resources	1,162	1,168	1,169	1,122
Capacity Surplus/(Deficit)	47	42	55	60
Reserve Margin % (Total Load)	4.3%	3.8%	4.9%	5.6%
Reserve Margin % (Non-Firm Load)	8.3%	7.3%	9.6%	11.4%



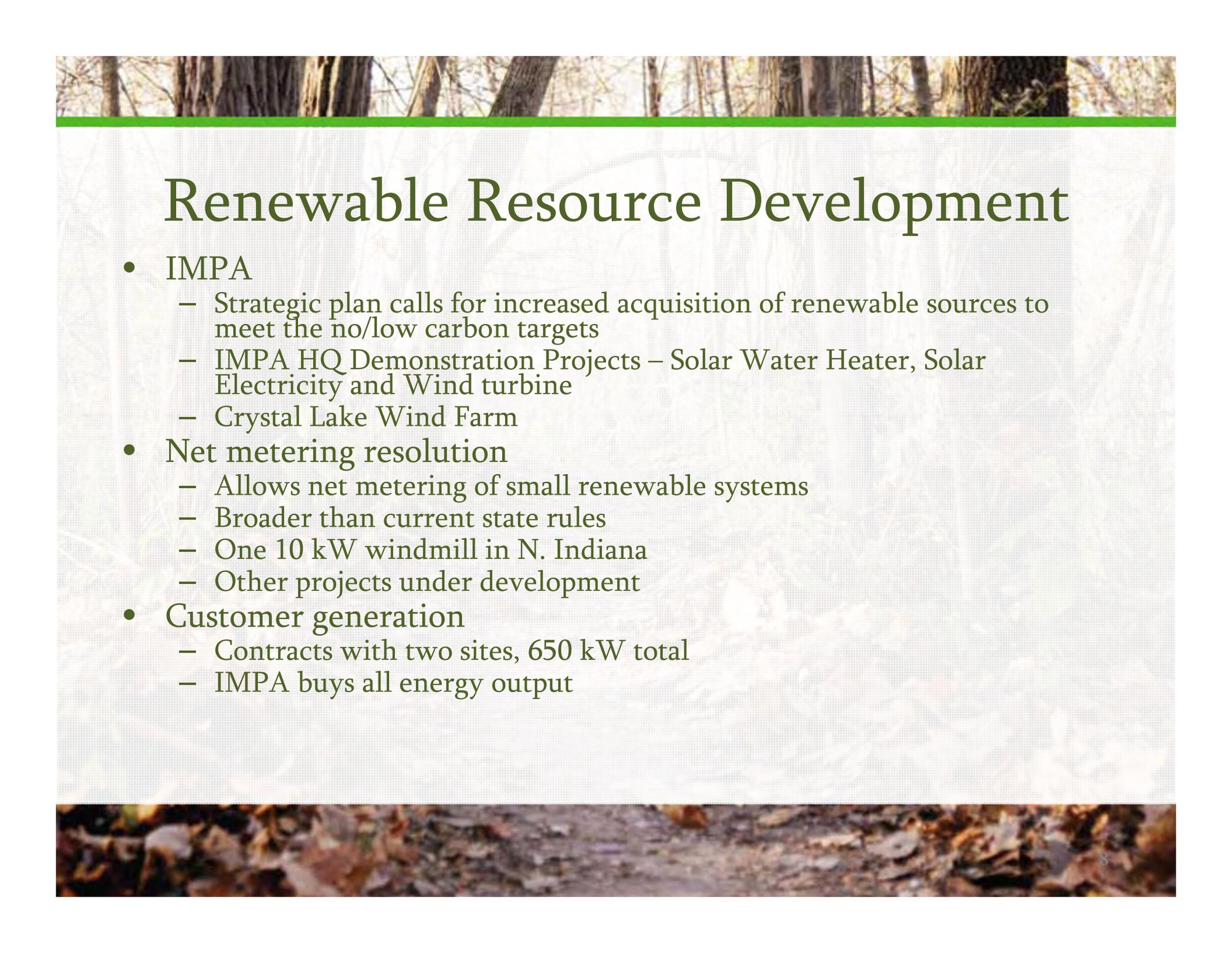
Energy Efficiency and Demand Response

- IMPA Strategic Plan
 - Approved Aug '09
 - 40% EE, Renewable and No/Low Carbon sources by 2020
 - 10% cumulative EE savings by 2020
- Energy Efficiency
 - CORE programs - Actively involved in DSMCC
 - “CORE-Plus” - Vermont Energy Investment Corporation – VEIC
 - Will likely use a combination of CORE and “CORE-Plus” programs to meet board goals
- Compact Fluorescent Lighting
 - Coupon program
 - CFL educational equipment and materials



Energy Efficiency and Demand Response

- EECBG LED applications filed for 20 IMPA members, \$5 million
- Information to members and member customers
 - Apogee Home Energy Suite
 - Energy calculators
 - Municipal Power News
 - Assortment of educational materials
- Customer Notifications
 - Customer notification of pending peak periods
 - For members with CP billing options for large customers



Renewable Resource Development

- IMPA
 - Strategic plan calls for increased acquisition of renewable sources to meet the no/low carbon targets
 - IMPA HQ Demonstration Projects – Solar Water Heater, Solar Electricity and Wind turbine
 - Crystal Lake Wind Farm
- Net metering resolution
 - Allows net metering of small renewable systems
 - Broader than current state rules
 - One 10 kW windmill in N. Indiana
 - Other projects under development
- Customer generation
 - Contracts with two sites, 650 kW total
 - IMPA buys all energy output



Emergency Preparedness

- IMPA serves wholesale load in both MISO and PJM
- 24 Hour control center in Carmel
- Back up operations center at Richmond CT site
- All power system coordination desk staff are PJM Certified Generation System Operators
- Dispatch Agency-owned CTs from Carmel control center
- In constant contact with balancing authorities to take appropriate action in case of system emergency declarations



Conclusion

- IMPA is in compliance with MISO and PJM resource adequacy constructs for the summer of 2010
- IMPA has sufficient resources to meet its member needs during the summer of 2010
- IMPA is taking a proactive role in offering its members assistance in promoting energy efficiency programs through both the Statewide CORE programs and supplemental IMPA/Member initiatives
- IMPA has proactively developed a long term renewable energy target