

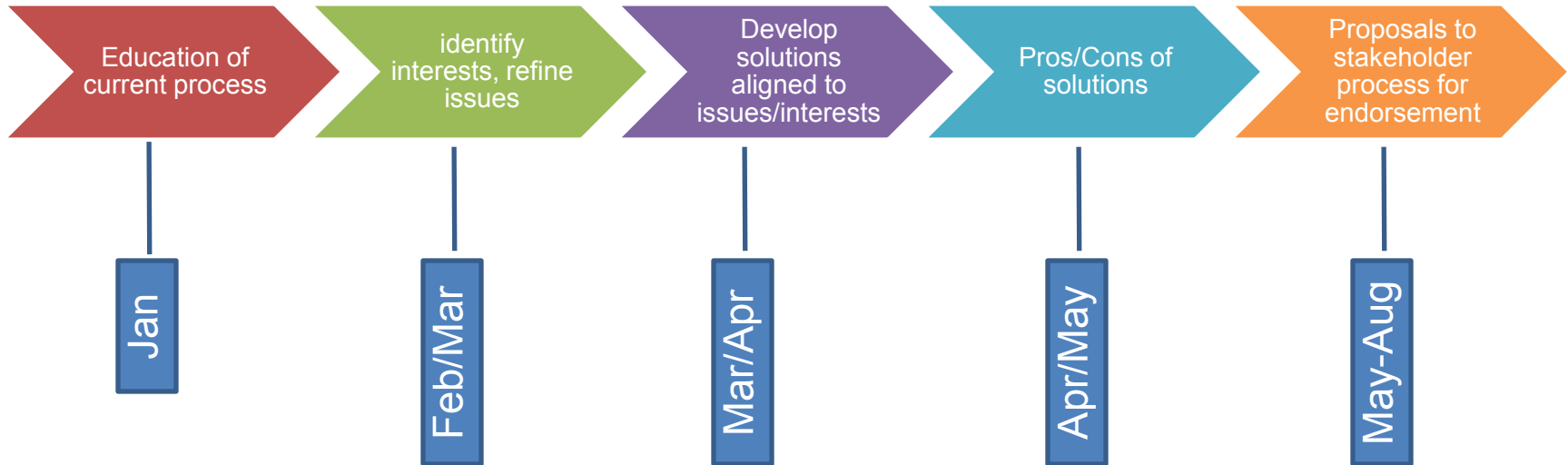
Efficiency of DR Registration Process

DRS

1/24/2013

- MIC approved issue statement/charge on 1/9/13 and assigned to DRS.
- Timeline – “in time for use in 2013 registration timeline”.

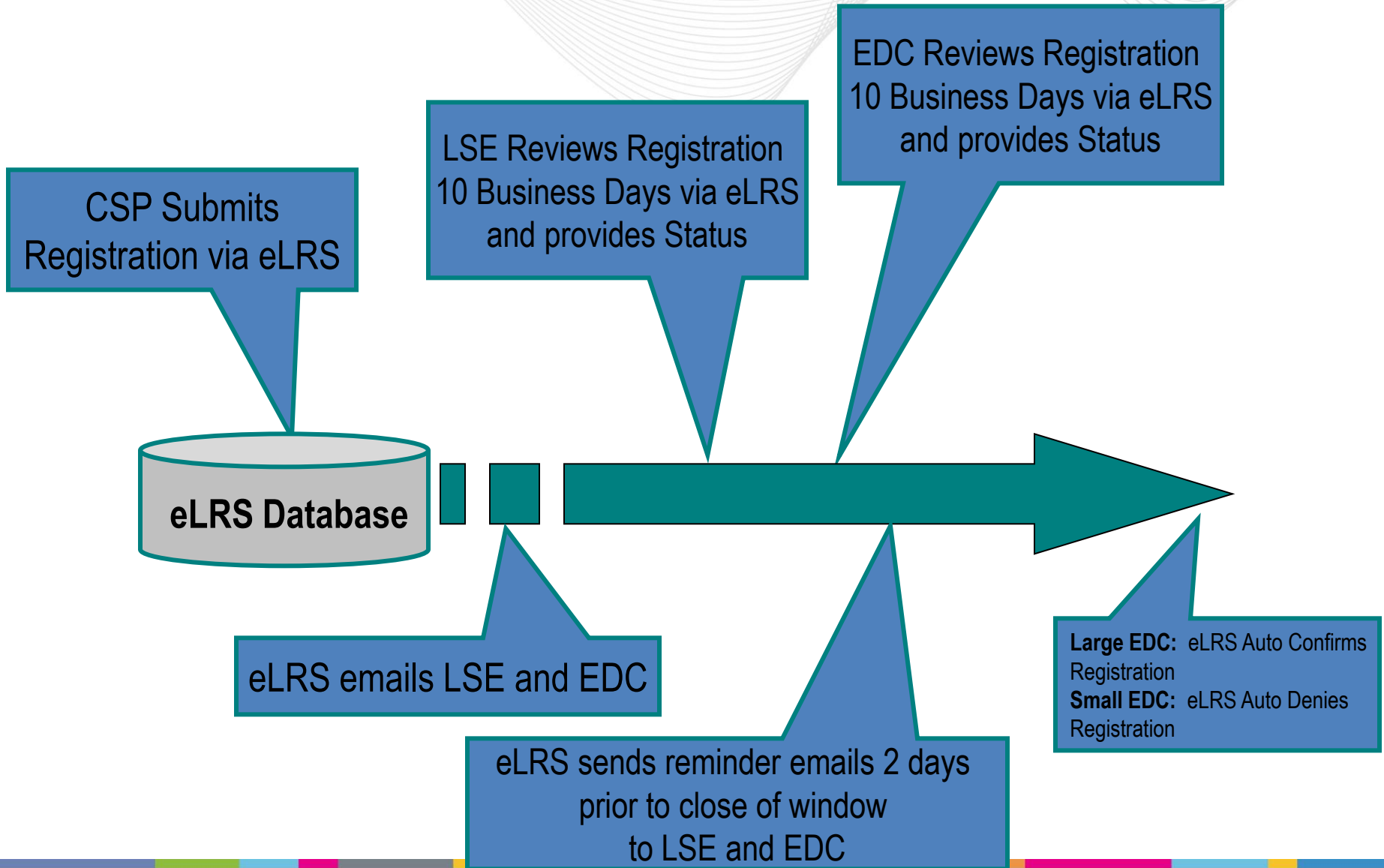
- 1) Assess continuing need for LSE review of emergency and economic DR registrations
- 2) Identify impediments to DR registration process associated with identifying customer energy supplier (“LSE”).
- 3) Determine the parties with complete supply information, and whether they are authorized to use that information to assist in the registration process.
- 4) Develop enhancements to registration process that reduce effort required to address changing supplier information, including elimination of LSE review and/or identification requirement



Item	EDC	LSE
EDC	✓	
LSE		✓
EDC Account Number	✓	
RERRA policy on participation	✓	✓
EDC interval meter	✓	
Line Loss factor	✓	
Peak Load Contribution (PLC)	✓	
Contractual Obligation		✓

LSE review of Contract Type and Retail Rate were eliminated 4/1/12 with implementation of Order 745

- Economic Registration – cleared day ahead offers used to apply negative dec (i.e.: sell) transaction against LSE account.
 - This is automatically done to help LSE not be long in day ahead market
- Contractual Obligation (Economic and Emergency)
 - May not preclude participation but require special settlements
 - Intention was to handle legacy utility curtailment rates where customer receives discounted rates and member other than LSE would like to register
- Double check on RERRA policy administration
- Potential for other double checks on data

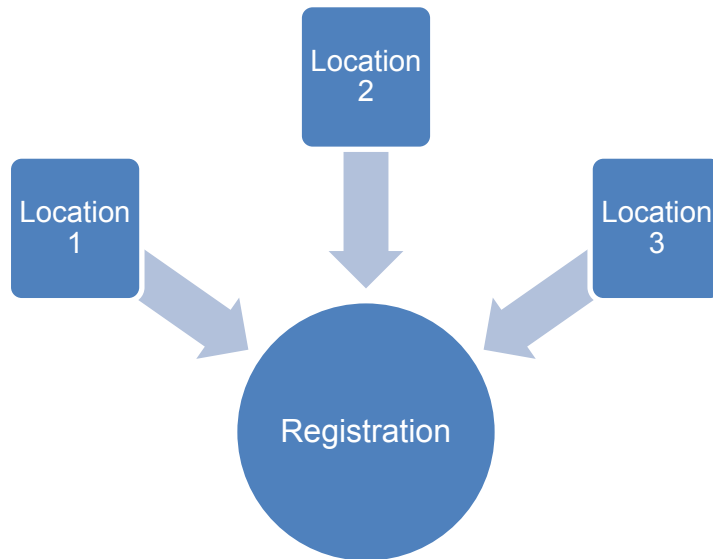


Economic Registration

- May be submitted at any time
- LSE designation results in negative dec for day ahead cleared offers

Emergency Registration (Capacity)

- Must be submitted by mid May – all approvals done prior to 6/1
- PLC must be accurate
- RPM credit requirements (“existing DR”)



- Location Data (not contingent on type of registration)
 - EDC, Zone, EDC acct number
 - Address
 - DR capability
 - Business Segment
- Registration Data (specific to registration)
 - LSE
 - Registration specifics

- Economic Registration
 - CSP must terminate the registration, copy to new registration and include new LSE
- Emergency Registration
 - Prior to start of DY, same as Economic process
 - After start of DY, no changes are made to registration

CSP is responsible to always know effective LSE and create new registrations accordingly

- CSP submit registration
 - May allow LSE or EDC to update registration during review (“approved as modified”)
- EDC reviews registration
 - Update if allowed
 - Approve/Deny
 - Designate specific denial reason so CSP understands
 - Do nothing
 - Automated approval/denial from RERRA rules
- LSE reviews registration
 - Same as EDC review process but except for denial reasons
- Denied Registrations go back to CSP to determine if CSP would like to fix and resubmit
 - Registration goes back through full review since no specific time limit on resubmission of registration and data may change which requires member to review.

Complicated workflow based on variety of timelines where 3 different members may be involved with different roles depending on type of registrations where each user may have different access rights



Locations (CSP perspective)

Search - Load Response - Internet Explorer provided by PJM Interconnection
http://lrs01als:18793/sbm/bpmportal/myhome/loadreduction.jsp?action=location&submenu1=1

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Actions Location Details Reset Locations

Location Name DR Test Site 1 CSP ECONCT Status New
EDC Account# 12345654321 EDC FF2 Zone PECO

Site Profile Contacts Registrations Data History

Address 12 Winding Way (optional) City Willow State Pennsylvania Zip Code 19465
Business Segment Office State Approval On
Meter Owner EDC Meter Allow others to submit data? EDC LSE Meter Qualified On

Local intranet | Protected Mode: On 100% 2012 12:35 PM

Creating a Location (Site tab):

✓ Complete all highlighted fields under the Site tab in the Location Details page (note dropdown selections on some fields)

✓ Selecting these fields will allow the EDC or LSE to upload meter data to the system for the CSP



Locations (CSP perspective)

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Welcome cutley (ECONCT)

Location Details

Reset Locations

Actions: Save, Save & Register

Site 1 CSP: ECONCT Status: New

EDC Account#: 12345654321 EDC: FF2 Zone: PECO

Site Profile Contacts Registrations Data History

Registration Defaults	
Energy Loss Factor	1.22
Capacity Loss Factor	1.33
Retail Rate	1.44 cents/kW
Peak Load Contribution	25.0 kW
Load Reduction	25.0 kW

Load Reduction Method	kW Reduction (per site)
HVAC	0.0
Backup Gen	0.0
Lighting	25.0
Refrigeration	0.0
Manufacturing	0.0
Water heating	0.0
Other	0.0
Total Per Site	25.0
# of Sites Multiplier	1.0

Done Local intranet | Protected Mode: On 100%

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Registration Details [Reset] [Registrations]

Name: DR Test Site 3 **Program:** Emergency DR Full (6/1/10-5/31/11)

Registration ID: [] **CSP:** ECONCT

Effective Date: 06/01/2010 **Status:** New

Termination Date: 05/31/2011 **Hold Status:** Scheduling Settlements

Locations **Energy** Capacity Process History Comments Data History

EDC: FF2 **LSE:** CNE **Zone:** PECO **Price Point:** PECO

Allow Modification: EDC LSE

[Add Location](#)

Location	Meter Qualified	State Approval	Load Reduction (kW)	Peak Load Contribution (kW)	Energy Loss Factor	Capacity Loss Factor
DR Test Site 3 - 1233333321 12 Winding Way, Willow, Pennsylvania, 19465	N/A	N/A	45.0	45.0	1.22	1.33
Total/Avg			45	45	1.22	1.33

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http://lrs01als:18793/sbm/bpmportal/myhome/loadreduction.jsp?action=location&submenu1=1

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My Tasks Locations Registrations Events Compliance Settlements Tools Reports Preferences Welcome cutley (ECONCT)

Action Registration Details Reset Registrations

Name	DR Test Site 3	Program	Emergency DR Full (6/1/10-5/31/11)
Registration ID		CSP	ECONCT
Effective Date	06/01/2010	Status	New
Termination Date	05/31/2011	Hold Status	<input type="checkbox"/> Scheduling <input type="checkbox"/> Settlements

Locations Energy Capacity Process History Comments Data History

Load Reduction (total)	105.0 kW	Strike Price	1.23
Energy Loss Factor(average)	1.22	Shut Down Costs	123

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Registration Details

Reset Registrations

Action: Submit Save

DR Test Site 3 Program: Emergency DR Full (6/1/10-5/31/11)

Registration ID: CSP: ECONCT

Effective Date: 06/01/2010 Status: New

Termination Date: 05/31/2011 Hold Status: Scheduling Settlements

Locations Energy Capacity Process History Comments Data History

Peak Load Contribution (kW): 105.0

Capacity Loss Factor: 1.33

Compliance

Capacity Type: DR

Lead Time: Long Short

RPM DR Resource: ECONCT DR PECO2

Area: PECO

Measurement

Method: Guaranteed Load Drop

Managed Load: 124

of Sites Multiplier: 1

Nominated ICAP (kW): 105

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Task Details - Load Response - Internet Explorer provided by PJM Interconnection

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Task Details - Load Response

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Work Item Details

Registration Approval#3649::LSE Review

Name: DR Test Site 3 Program: CSP
 Registration ID: R2472
 Effective Date: 06/01/2010 Status: Hold Status
 Termination Date: 05/31/2011

Decision Locations Process History Comments

EDC: FF2 LSE: CNE Zone: PECO Price Point: PECO

Allow Modification: EDC LSE

Location	Meter Qualified	State Approval	Load Reduction (kW)	Peak Load Contribution (kW)	Energy Loss Factor	Capacity Loss Factor
DR Test Site 3 - 1233333321 12 Winding Way, Willow, Pennsylvania, 19465	N/A	N/A	45.0	45.0	1.22	1.33
DR Test Site 2 - 12344444321 12 Winding Way, Willow, Pennsylvania, 19465	N/A	N/A	35.0	35.0	1.22	1.33
DR Test Site 1 - 12345654321 12 Winding Way, Willow, Pennsylvania, 19465	N/A	N/A	25.0	25.0	1.22	1.33
Total/Avg			105	105	1.22	1.33

Registration process (LSE):

- ✓ The LSE needs to: view/verify/approve/deny the registration. The LSE needs to verify that the locations within the registration are not prohibited from participation based on a contractual obligation with the LSE.

Registration Details

Registration Approval#3649::LSE Review

Name	DR Test Site 3	Program	
Registration ID	R2472	CSP	
Effective Date	06/01/2010	Status	
Termination Date	05/31/2011	Hold Status	

Decision:

Approve
 Deny

Denial Reasons:

Wrong LSE
 Contractual Obligation

Comments:

Registration process (LSE):

- ✓ The Decision tab gives the LSE the ability to Approve or Deny the registration.
- ✓ If denied, select Denial Reason and add comments
- ✓ Click the 'Action' button and select 'Complete Task' to submit.

- LSE does not understand why they are included in the process and does not review
 - registrations always wait for 10 business days to finalize
 - LSE set up in eLRS
- LSE may or may not be aware (or want) negative dec for day ahead activity
- CSP is not aware of LSE changes
- LSE rejection of registration if LSE contract term different from registration term
 - Customer does not know future LSE yet
- Current LSE change process takes effort
- Questions about wholesale vs retail LSE and POLR type auctions
- Denied registrations go back through complete EDC/LSE review process if resubmitted
 - More time to get a registration approved & resource into market.

- What part of process requires most effort?
 - Pull together analysis as needed to help focus priorities
- Administrative vs Manual vs Tariff changes
- eLRS system changes may not be feasible in short term
 - Depends on complexity & current queue
- Majority of Emergency DR registrations submitted within next 3 months

