



2017 – EP Presentation to PN CAC

Richard Hadden

Section Manager, Emergency Preparedness

OPG Nuclear

ONTARIOPOWER
GENERATION



OPG Emergency Preparedness Dept.



- Implement and maintain emergency response capability within OPG Nuclear
- Maintain OPGN Emergency Response Organization (ERO) facilities as well as equipment at off-site facilities
- Conduct drills & exercises to confirm effectiveness of emergency plans
- Oversee the ERO qualification program
- Liaise with off-site authorities and stakeholders
 - CNSC, Province, Durham Region, City of Toronto, etc...
- Assessments conducted to demonstrate program performance and continuing improvement
 - Self Assessments , Benchmarking, CNSC, WANO, OSART, others



2016 Work Program



- Pickering Evacuation Time Estimate Study updated with current census data
- Darlington WANO Peer Team review conducted
 - Drill observation and EP program
 - no significant findings
- Exercise Unified Response (ExUR) follow-up lessons learned – presentation to CNSC
- Facilitated Cell Broadcast emergency alerts trials
- Drills conducted at each site to confirm effectiveness of emergency plans
- Participated in off-site center exercise at Iroquois Park
- No events which required activation of emergency plans at the sites.





2016 Pickering OSART



- Safety review conducted by the International Atomic Energy Agency (IAEA)
 - CNSC nominated - public
 - International team of experts
 - Review adherence to international standards and best practices

- ✓ Team found overall emergency response arrangements to be robust

- ✓ OPG maintains a healthy relationship with off-site authorities

- ✓ Recognized KI ‘new neighbours’ as international good practice

- ✓ Provided a ‘suggestion’ on drill and exercise arrangements



2017 Work Program



- Darlington Refurbishment – enhanced Assembly Areas
- Pickering CNSC License submission
- 2017 Significant Interoperability Exercise – ExUC
- Data uplink to CNSC and Province emergency centers
- Drills to be conducted at each site to confirm effectiveness of emergency plans
- 2017 WANO peer review
- Dose Projection Software replacement – URI/Rascal
- New P25 Radio system to improve interoperability with emergency responders